AI [5 days-30 DAYS/20 hours]
FUNDAMENTALS COURSE

BEST BOOTCAMP WINNER SWITCHUP 2020

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- **Describe** AI workloads and considerations.
- **Get** started with AI on Azure
- **Create** no-code predictive models with Azure Machine Learning.
- **Use** automated machine learning in Azure Machine Learning.
- **Create** a Regression Model with Azure Machine Learning designer.
- **Create** a classification model with Azure Machine Learning designer.
- **Create** a Clustering Model with Azure Machine Learning designer.
- **Explore** computer vision in Microsoft Azure.
- **Analyze** images with the Computer Vision service.
- **Classify** images with the Custom Vision service.
- **Detect** objects in images with the Custom Vision service.
- **Detect** and analyze faces with the Face service.
- **Read** text with the Computer Vision service.
- **Analyze** receipts with the Form Recognizer service.
- **Explore** natural language processing.
- **Analyze** text with the Text Analytics service.
- **Recognize** and synthesize speech.
- **Translate** text and speech.
- **Create** a language model with Language Understanding.
- **Explore** conversational AI.
- **Build** a bot with QnA Maker and Azure Bot Service.

PRICE: R13 900 / $850 / €720/ £700

Full Payment before commencement (no payment plan)

+-1 International exams - Microsoft Azure AI Fundamentals (additional in price)

Microsoft CERTIFIED AZURE AI FUNDAMENTALS

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AWS AI [2-5 days/10 hours] PRACTITIONER COURSE

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- Developing or coding AI/ML models or algorithms
- Implementing data engineering or feature engineering techniques
- Performing hyperparameter tuning or model optimization
- Building and deploying AI/ML pipelines or infrastructure
- Conducting mathematical or statistical analysis of AI/ML models
- Implementing security or compliance protocols for AI/ML systems
- Developing and implementing governance frameworks and policies for AI/ML solutions

PRICE: R10 900 / $850 / €720/ £700

Full Payment before commencement (no payment plan)

+-1 International exams - AWS AI Practitioner (additional in price)

aws certified AI Practitioner FOUNDATIONAL

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Prerequisite: Azure AI Fundamentals course

AI [2 months/40 hours] ENGINEER ASSOCIATE COURSE

- **Evaluate** text with Azure Cognitive Language Services.
- **Classify** and moderate text with Azure Content Moderator
- **Add** conversational intelligence to your apps by using Language Understanding Intelligent Service (LUIS).
- **Features** of computer vision workloads on Azure.
- **Discover** sentiment in text with the Text Analytics API.I
- **Process** and Translate Speech with Azure Cognitive Speech Services.
- **Transcribe** speech input to text.
- **Synthesize** Text Input to Speech.
- **Translate** speech with the speech service.
- **Create** Intelligent Bots with the Azure Bot Service.
- **Build** a bot with QnA Maker and Azure Bot Service.
- **Process** and classify images with the Azure cognitive vision services.
- **Identify** faces and expressions by using the Computer Vision API in Azure Cognitive Services.
- **Process** images with the Computer Vision service.
- **Classify** images with the Microsoft Custom Vision Service.
- **Evaluate** the requirements for implementing the Custom Vision APIs.
- **Extract** insights from videos with the Video Indexer service.

PRICE: R28 800 / $1800 / €1600/ £1500

Payment plan: [R14 400 per 20 hours]: 2 payments

+-1 International exams - Designing and Implementing an Azure AI Solutions (additional in price)

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MACHINE LEARNING ENGINEER - ASSOCIATE

COURSE INFO

[1 MONTH/20 HOURS]

- **Ingest**, transform, validate, and prepare data for ML modeling.
- **Select** general modeling approaches, train models, tune hyperparameters, analyze model performance, and manage model versions.
- **Choose** deployment infrastructure and endpoints, provision compute resources, and configure auto scaling based on requirements.
- **Set up** continuous integration and continuous delivery (CI/CD) pipelines to automate orchestration of ML workflows.
- **Monitor** models, data, and infrastructure to detect issues.
- **Secure** ML systems and resources through access controls, compliance features, and best practices.

PRICE: R16 900 / $1100 / €1000/ £900

Full Payment before commencement (no payment plan)

Prerequisite: AWS AI Practitioner course

ASSOCIATE

+-1 International exams - additional in price:

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ABOUT

Machine Learning Engineer - Associate validates technical ability in implementing ML workloads in production and operationalizing them. Boost your career profile and credibility, and position yourself for in-demand machine learning job roles.

2x Internationally award-winning

2021 BEST ONLINE BOOTCAMPS switchup

BEST CODING BOOTCAMP SWITCHUP 2020

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AZURE FUNDAMENTALS

COURSE INFO

[5 DAYS/10 HOURS]

- **Describe** cloud concepts
- **Describe** Azure architecture and services
- **Describe** Azure management and governance

PRICE: R10 900 / $850 / €720/ £700

Full Payment before commencement (no payment plan)

FUNDAMENTALS

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ABOUT

Microsoft Azure, often referred to as Azure, is a cloud computing platform operated by Microsoft that provides access, management, and development of applications and services via around the world-distributed data centers

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AZURE DATA FUNDAMENTALS

COURSE INFO

[5 DAYS/10 HOURS]

- **Describe** core data concepts
- **Identify** considerations for relational data on Azure
- **Describe** considerations for working with non-relational data on Azure
- **Describe** an analytics workload on Azure

PRICE: R10 900 / $850 / €720/ £700

Full Payment before commencement (no payment plan)

FUNDAMENTALS

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ABOUT

Microsoft Azure, often referred to as Azure, is a cloud computing platform operated by Microsoft that provides access, management, and development of applications and services via around the world-distributed data centers

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Prerequisite: Azure Data Fundamentals course

DATA ENGINEER ASSOCIATE COURSE [2 months/40 hours]

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- **Learn** Azure for the Data Engineer.
- **Understand** the evolving world of data.
- **Survey** the services on the Azure Data platform.
- **Identify** the tasks of a data engineer in a cloud-hosted architecture.
- **Store** data in AzureIn turn Choose a data storage approach in Azure.
- **Create** an Azure Storage account.
- **Connect** an app to Azure Storage & Secure your Azure Storage account.Store application data with Azure Blob storage.
- **Work** with relational data in Azure & Provision an Azure SQL database to store application data.
- **Migrate** your relational data stored in SQL Server to Azure SQL Database.
- **Introduction** to Azure Database for PostgreSQL & Scale multiple Azure SQL Databases with SQL elastic pools.
- **Secure** your Azure SQL Database & Develop and configure an ASP.NET application that queries an Azure SQL database.
- **Work** with NoSQL data in Azure Cosmos DB & Create an Azure Cosmos DB database built to scale.
- **Choose** the appropriate API for Azure Cosmos DB.Insert and query data in your Azure Cosmos DB database.
- **Store** and access graph data in Azure Cosmos DB with the Graph API.
- **Store and Access NoSQL Data with Azure Cosmos DB and the Table API.**
- **Build** a .NET Core app for Azure Cosmos DB in Visual Studio Code.Optimize the performance of Azure Cosmos DB by using partitioning and indexing strategies.
- **Distribute** your data globally with Azure Cosmos DB.Large-Scale Data Processing with Azure Data Lake Storage Gen2.
- **Introduction** to Azure Data Lake storage.
- **Upload** data to Azure Data Lake Storage.Secure your Azure Storage account.

PRICE: R28 800 / $1800 / €1600/ £1500

Payment plan: [R14 400 per 20 hours]: 2 payments

+-2 International exams - Implementing an Azure Data Solution & Designing an Azure Data Solution (additional in price)

Microsoft CERTIFIED AZURE DATA ENGINEER ASSOCIATE

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DATA [4 months/80 hours] SCIENTIST ASSOCIATE COURSE

BEST BOOTCAMP WINNER SWITCHUP 2020

2021 BEST ONLINE BOOTCAMPS switchup

- **Implement** a machine learning solution for a given data problem.
- **Learn** advanced Python or programming in R and Data Analysis to implement computer science algorithms.
- **Design** and Implement a Data Science Solution on Azure.
- **Build** AI solutions with Azure Machine Learning.
- **Azure** Machine Learning tools and interfaces.
- **Train** a machine learning model with Azure Machine Learning.
- **Learn** Azure Machine Learning estimators.
- **Work** with Data in Azure Machine Learning.
- **Introduction** to compute targets and environments.
- **Consume** machine learning with pipelines.
- **Pass** data between pipeline steps.
- **Deploy** machine learning models with Azure Machine Learning.
- **Deploy** models as a real-time service.
- **Consume** real-time inferencing service & Troubleshooting.
- **Automate** machine learning model selection with Azure Machine Learning.
- **Automate** machine learning tasks and algorithms.
- **Preprocessing** and featurization.
- **Run** automated machine learning experiments.

PRICE: R43 600 / $2400 / €2400/ £2000

Payment plan: [R10 900 per 20 hours]: 4 payments

+-5 International exams - Microsoft Azure Data Scientist Associate (additional in price)

Microsoft CERTIFIED AZURE DATA SCIENTIST ASSOCIATE

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ASSOCIATE LEVEL

PREREQUISITE OPTION 1:

Azure Data Fundamentals

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DATA [2 months/40 hours] ANALYST ASSOCIATE COURSE [Analyzing Data with Microsoft Power BI]

BEST BOOTCAMP WINNER SWITCHUP 2020

2021 BEST ONLINE BOOTCAMPS switchup

- **Get started** with Microsoft data analytics
- **Prepare** data for analysis
- **Model** data in Power BI
- **Design** a data model in Power BI
- **Introduction** to creating measures using DAX in Power BI
- **Optimize** a model for performance in Power BI
- **Visualize** data in Power BI
- **Add** Python or R Visual
- **Work** with Power BI visuals
- **Create** a data-driven story with Power BI reports
- **Create** dashboards in Power BI
- **Create** paginated reports
- **Data analysis** in Power BI
- **Perform** analytics in Power BI
- **Work** with AI visuals in Power BI

PRICE: R28 800 / $1800 / €1600/ £1500

Payment plan: [R14 400 per 20 hours]: 2 payments

+-2 International exams - Analyzing Data with Microsoft Power BI (additional in price)

Microsoft CERTIFIED DATA ANALYST ASSOCIATE

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ASSOCIATE LEVEL

PREREQUISITE OPTION 1:

Azure Data Fundamentals

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AWS [2 months/40 hours] DATA ANALYTICS COURSE

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SWITCHUP
2020

2021
BEST ONLINE BOOTCAMPS
switchup

- **Define** AWS data analytics services and understand how they integrate with each other.
- **Explain** AWS data analytics services.
- **Fit** in the data life cycle of collection, storage, processing, and visualization.

PRICE: R28 800 / $1800 / €1600/ £1500

Payment plan: [R14 400 per 20 hours]: 2 payments

+-1 International exams - AWS Certified Data Analytics - Specialty (additional in price)

aws certified
Data Analytics
Specialty

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PROFESSIONAL LEVEL

PREREQUISITE OPTION 1:

aws solutions architect associate

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AWS [5-10days/20 hours] MACHINE LEARNING COURSE

BEST BOOTCAMP WINNER SWITCHUP 2020

2021 BEST ONLINE BOOTCAMPS switchup

- **Choose** and justify the appropriate ML approach for a given organization problem.
- **Identify** appropriate AWS services to implement ML solutions.
- **Design** and implement scalable, cost-optimized, reliable, and secure ML solutions.

PRICE: R18 900 / $1100 / €1000/ £900

Full Payment before commencement (no payment plan)

+-1 International exams - AWS Certified Machine Learning – Specialty (additional in price)

aws certified Machine Learning Specialty

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PROFESSIONAL LEVEL

PREREQUISITE OPTION 1:

aws solutions architect associate

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AI [5-10days/20 hours]
PROGRAMMING WITH PYTHON COURSE

BEST BOOTCAMP WINNER SWITCHUP 2020

2021 BEST ONLINE BOOTCAMPS switchup

- **Introduction** to Python.
- **Learn** how to use all the key tools for working with data in Python: Jupyter Notebooks, NumPy, Anaconda, pandas, and Matplotlib.
- **Learn** the foundational linear algebra you need for AI success: vectors, linear transformations, and matrices.
- **Learn** the foundations of calculus to understand how to train a neural network: plotting, derivatives, the chain rule, and more. See how these mathematical skills visually come to life with a neural network example.
- **Gain** a solid foundation in the hottest fields in AI: neural networks, deep learning, and PyTorch.

PRICE: R18 900 / $1100 / €1000/ £900

Full Payment before commencement (no payment plan)

+-2 International exams - AI fundamentals & PCAP in Python fundamentals (additional in price)

PCAP - Certified Associate in Python Programming — OpenEDG Python Institute

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MACHINE LEARNING WITH PYTHON COURSE

[5-10days/20 hours]

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- **Gain** an Introduction to Python.
- **Introduction** to Machine Learning.
- **Learn** Linear, Non-linear, Simple and Multiple regression, and their applications.Thus Learn algorithms, such as KNN, Decision Trees, Logistic Regression and SVM.
- **Learn** how to use clustering for customer segmentation, grouping same vehicles, and also clustering of weather stations. You understand 3 main types of clustering, including Partitioned-based Clustering, Hierarchical Clustering, and Density-based Clustering.

PRICE: R18 900 / $1100 / €1000/ £900

Full Payment before commencement (no payment plan)

+-2 International exams - (additional in price)

Certified Associate in Python Programming (PCAP) OpenEDG Python Institute

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MACHINE LEARNING WITH JAVASCRIPT COURSE [5-10days/20 hours]

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- **Assemble** machine learning algorithms from scratch.
- **Learn** TensorFlowJS.
- **Create** Applications of Tensorflow.
- **Learn** Gradient Descent.
- **Plotting** data with JavaScript.
- **Natural** Binary Classification.
- **Optimize** your algorithms with advanced performance and memory usage profiling.
- **ML** best practices.

PRICE: R18 900 / $1100 / €1000/ £900

Full Payment before commencement

+-2 International exams - (additional in price)

OpenEDG JS Institute Certified Associate JavaScript Programmer JSA-41-01

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MACHINE LEARNING WITH R COURSE

[5-10days/20 hours]

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2021 BEST ONLINE BOOTCAMPS switchup

- **Assemble** machine learning algorithms from scratch.
- **Learn** Built-in Datasets of R.
- **Create** UC Irvine Machine Learning Repository.
- **Learn** KNN Model.
- **Machine** Learning in R with caret.
- **ML** best practices.

PRICE: R18 900 / $1100 / €1000/ £900

Full Payment before commencement (no payment plan)

+-2 International exams - (additional in price)

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AI PROMPT COURSE

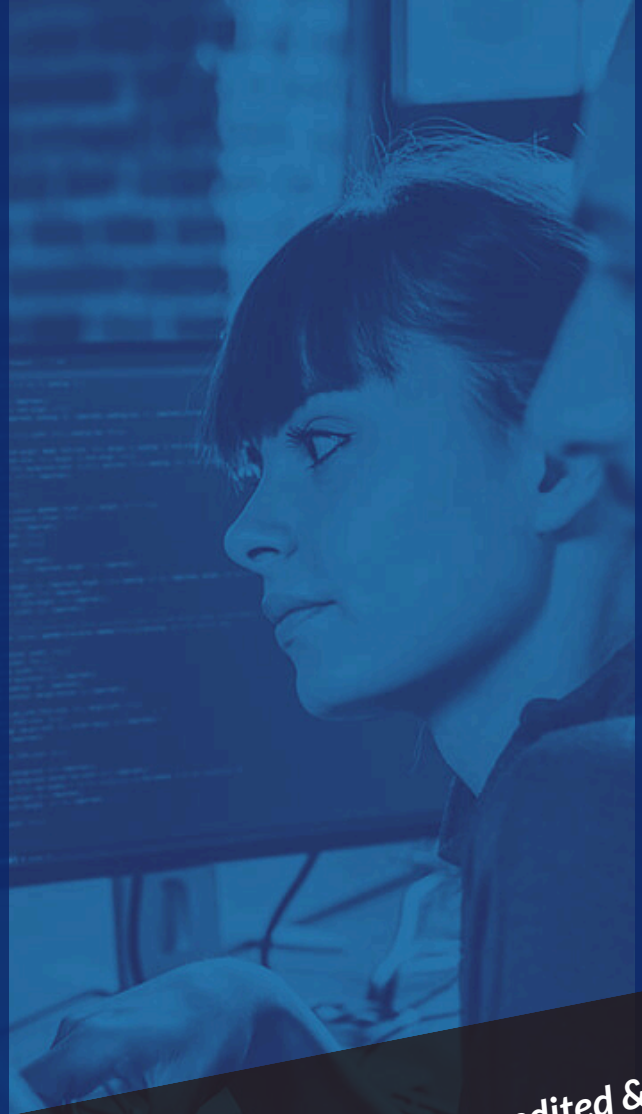
COURSE INFO

[5 - 30 DAYS/20 HOURS]

- Introduction to Prompt Engineering
- The importance of effective prompts
- The role of prompts in AI communication
- The Basics of ChatGPT
- Understanding ChatGPT's capabilities
- Limitations and considerations
- Best practices for interacting with ChatGPT
- Designing Effective Prompts
- Components of a good prompt
- Techniques for prompt refinement
- Crafting prompts for specific outcomes
-
- Crafting prompts for different scenarios
- Analyzing responses and iterating
- Role-playing with ChatGPT
- Advanced Prompt Engineering
- Contextual and recursive prompts
- Domain-specific prompt design
- Managing ambiguity in prompts
- Best Practices in Prompt Engineering
- Establishing clear objectives
- Balancing detail and flexibility
- Continuous learning and adaptation
- Ethical Considerations
- Bias and fairness in AI
- Ethical prompt design
- The impact of prompts on AI behavior
-
- Developing a prompt strategy
- Real-world application and testing
- Presenting and reviewing prompt strategies

PRICE: R16 900 / $1100 / €1000/ £900

Full Payment before commencement (no payment plan)



ABOUT

IA prompts. The IA prompts are a set of 35 high-level knowledge questions. Students must select one of the following IA prompts on which to base their exhibition, and all three objects must be linked to the same prompt.

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