**List of Technologies**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sr. No** | **Name of Technology** | **Platform** | **Name of Course Link** | **Name of Industry** | **No. of Hours** | **Name of Guided Project Link** | **Name of Industry** | **No. of Hours** |
| 1 | Internet of Things (IoT) | Coursera | Industrial IoT Fundamentals on AWS <https://www.coursera.org/learn/industrial-iot-fundamentals-on-aws> Architecting Smart IoT Devices (<https://www.coursera.org/learn/iot-architecture>) | AWS  EIT | 6  33 | 1. Getting started with Azure IOT Hub<https://www.coursera.org/projects/getting-started-with-azure-iot-hub> 2. Customer Journey Maps with IoT Touchpoints in Miro (<https://www.coursera.org/projects/customer-journey-maps-iot-miro>) 3. Configure Routing in Azure IoT Hub (<https://www.coursera.org/projects/configure-routing-in-azure-iot-hub>) 4. Create IoT Solutions in Microsoft Azure (<https://www.coursera.org/projects/create-iot-solutions-in-microsoft-azure>) 5. Build Device Messaging and Communication in Azure IoT Hub(<https://www.coursera.org/projects/build-device-messaging-and-communication-in-azure-iot-hub>) | Coursera Project  Network  Coursera Project  Network  Coursera Project  Network  Coursera Project  Network  Coursera Project Network | 1.5  2  1  1.5  1 |
| 2 | Blockchain Technologies | Coursera | Introduction to Blockchain Technologies( <https://www.coursera.org/learn/introduction-blockchain-technologies>)  Blockchain Basics(<https://www.coursera.org/learn/blockchain-basics>) | INSEAD  University at Buffalo | 28  15 | 1. Block.one: Getting Started with The EOSIO Blockchain( <https://www.coursera.org/projects/googlecloud-block-one-getting-started-with-the-eosio-blockchain-2rsmf>) 2. Block.one: Getting   Started with Smart Contracts( <https://www.coursera.org/projects/googlecloud-block-one-getting-started-with-smart-contracts-z6juy>) | Google Cloud  Training  Google Cloud Training | 0.5  0.5 |
| 3 | IOS App Development | Coursera | Introduction to iOS Mobile Application Development (<https://www.coursera.org/learn/introduction-to-ios-mobile-application-development>) Introduction to iOS App Development with Swift 5 (<https://www.coursera.org/learn/ios-app-development-swift-5>)  Advanced Programming in Swift(<https://www.coursera.org/learn/advanced-programming-in-swift>) | META  LearnQuest  Meta | 11  12  19 | 1. Build a Simple App in Android Studio with Java   (<https://www.coursera.org/learn/build-app-android-studio-java>)   1. Build an App in Android Studio using Resources   (<https://www.coursera.org/learn/build-an-app-in-android-studio-using-resources>)   1. Build an App in Android Studio using onTouch   (<https://www.coursera.org/learn/build-an-app-in-android-studio-using-ontouch>)   1. Build an App in Android Studio using Read-Write   (<https://www.coursera.org/learn/build-an-app-in-android-studio-using-read-write>)   1. A Simple Picture Storing App with Java and Android Studio   (<https://www.coursera.org/learn/a-simple-picture-storing-app-with-java-and-android-studio>) | Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network | 2  2  2  2  2 |
| 4 | Artificial Intelligence, Machine Leaning | Coursera | IBM Introduction to Machine Learning Specialization **Description: C:\Users\HP 250 G5\Desktop\cu-logo.png Description: C:\Users\HP 250 G5\Desktop\index.png**      ([https://www.coursera.org/specializations/ibm-intro-machine-learning#courses](https://www.coursera.org/specializations/ibm-intro-machine-learning" \l "courses)) | IBM | 72 | 1. Deploy Models with TensorFlow Serving and Flask   (<https://www.coursera.org/learn/deploy-models-tensorflow-serving-flask>)   1. SVM Regression, prediction and losses   (<https://www.coursera.org/learn/svm-regression>)   1. Decision Tree and Random Forest Classification using Julia   (<https://www.coursera.org/learn/decision-tree-random-forest-classification-julia>)     1. Build Random Forests in R with Azure ML Studio   (<https://www.coursera.org/learn/azure-machine-learning-studio-random-forests>)   1. AutoML tools for data science   (<https://www.coursera.org/learn/automl>) | Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network | 2  2  1.5  2  2 |
| 5 | IOT/ Robotics/AR/VR | Coursera | Industrial IoT Fundamentals on AWS <https://www.coursera.org/learn/industrial-iot-fundamentals-on-aws> Architecting Smart IoT Devices (<https://www.coursera.org/learn/iot-architecture>) Foundations of AR <https://www.coursera.org/learn/foundations-of-ar> | AWS  EIT  META | 6  33  11 | 1. Getting started with Azure IOT Hub(<https://www.coursera.org/projects/getting-started-with-azure-iot-hub>) 2. Customer Journey Maps with IoT Touchpoints in Miro (<https://www.coursera.org/projects/customer-journey-maps-iot-miro>) 3. Configure Routing in Azure IoT Hub (<https://www.coursera.org/projects/configure-routing-in-azure-iot-hub>) 4. Create IoT Solutions in Microsoft Azure (<https://www.coursera.org/projects/create-iot-solutions-in-microsoft-azure>) 5. Build Device Messaging and Communication in Azure IoT Hub(<https://www.coursera.org/projects/build-device-messaging-and-communication-in-azure-iot-hub>) | Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network | 1.5  2  1  1.5  1 |
| 6 | Data Science using R | Online Coursera | IBM Data Science Professional Certificate  (<https://www.coursera.org/professional-certificates/ibm-data-science>) | IBM | 60 | 1. Introduction to Topic Modelling in R(<https://www.coursera.org/learn/introduction-to-topic-modelling-in-r>) 2. Quantitative Text Analysis and Scaling in R(<https://www.coursera.org/learn/quantitative-text-analysis-and-scaling-in-r>) 3. Predicting Salaries with Simple Linear Regression in R   (<https://www.coursera.org/learn/linear-regression-predicting-salaries>)   1. Exploratory Data Analysis with Textual Data in R / Quanteda   (<https://www.coursera.org/learn/eda-text-r-quanteda>)   1. Transforming Data in R   (<https://www.coursera.org/learn/transforming-data-in-r>) | Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network | 1  1  2  2  1 |
| 7 | Ethical Hackng | Online Coursera | Ethical Hacking Essential(EHE)  (<https://www.coursera.org/learn/ethical-hacking-essentials-ehe>) Introduction to Cybersecurity Tools & Cyber Attacks (<https://www.coursera.org/learn/introduction-cybersecurity-cyber-attacks>) Hacking and Patching (<https://www.coursera.org/learn/hacking-patching>) | EC Council  IBM  University of Colarado | 32  16  15 | 1. Encryption and Decryption using C++(<https://www.coursera.org/learn/encryption-decryption-cpp>) 2. Message Encoding/Decoding in Python with GUI   (<https://www.coursera.org/learn/message-encoding-decoding-in-python-with-gui>) | Coursera Project Network  Coursera Project Network | 1:10  1 |
| 8 | Full Stack Development using Mem Stack | Online Coursera | IBM Full Stack Software Developer Professional Certificate (<https://www.coursera.org/professional-certificates/ibm-full-stack-cloud-developer>) | IBM | 120 | 1. Containerize a full-stack NodeJS application in Docker   (<https://www.coursera.org/learn/containerize-full-stack-nodejs-application-in-docker>)   1. Build a Full Stack App using React and Express   (<https://www.coursera.org/learn/build-full-stack-app-using-react-express>)   1. Containerize a full-stack NodeJS application in Docker   (<https://www.coursera.org/learn/containerize-full-stack-nodejs-application-in-docker>) | Coursera Project Network  Cousera Project Network  Coursera Project Network | 2  2  2 |
| 9 | Python Programming | Online Coursera | Programming in Python (<https://www.coursera.org/learn/programming-in-python>) | META | 44 | 1. Process Documents with Python Using the Document AI API (<https://www.coursera.org/projects/googlecloud-process-documents-with-python-using-the-document-ai-api-jl9z7>) 2. Create and Test a Document AI Processor (<https://www.coursera.org/projects/googlecloud-create-and-test-a-document-ai-processor-syrzz>)      1. User Authentication: Identity-Aware Proxy (<https://www.coursera.org/projects/googlecloud-user-authentication-identity-aware-proxy-7pslt>) 2. App Dev: Adding User Authentication to your Application - Python(<https://www.coursera.org/projects/googlecloud-app-dev-adding-user-authentication-to-your-application-python-jh1dy>) 3. Using gsutil to Perform Operations on Buckets and Objects( <https://www.coursera.org/projects/googlecloud-using-gsutil-to-perform-operations-on-buckets-and-objects-oaud5>) | Google cloud Training  Google cloud Training  Google cloud Training  Google cloud Training  Google  cloud Training | 1  1  1  1  45  Mins |
| 10 | Cloud Computing | Online Coursera | AWS Cloud Solutions Architect Professional Certificate (<https://www.coursera.org/professional-certificates/aws-cloud-solutions-architect>) | AWS | 60 | 1. Manage container images using AWS   (<https://www.coursera.org/learn/manage-container-images-using-aws>)   1. Setting up AWS Application Load Balancer   (<https://www.coursera.org/learn/aws-application-load-balancer>)   1. Amazon Translate: Translate documents with batch translation   (<https://www.coursera.org/learn/amazon-translate-translate-documents-with-batch-translation>)   1. AWS CodePipeline Beginner's Guide   (<https://www.coursera.org/learn/aws-codepipeline-beginner-guide>)   1. AWS Elastic Beanstalk:Deploy a Python(Flask) Web Application   (<https://www.coursera.org/learn/python-aws-elastic-beanstalk-web-application>) | Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network | 1.25  2  1  2  2 |
| 13 | Big Data — Hadoop and other IBM Tools | Online Coursera | Introduction to Big Data with Spark and Hadoop(<https://www.coursera.org/learn/introduction-to-big-data-with-spark-hadoop>)NoSQL, Big Data, and Spark Foundations Specialization (<https://www.coursera.org/specializations/nosql-big-data-and-spark-foundations>) | IBM  IBM | 12  48 | 1. Working with Big Data ( <https://www.coursera.org/projects/working-big-data>) 2. Explore Adobe Spark while creating Social Stories Highlights   (<https://www.coursera.org/learn/stories-highlights>)   1. Graduate Admission Prediction with Pyspark ML   (<https://www.coursera.org/learn/graduate-admission-prediction-with-pyspark-ml>)   1. Use the Apache Spark Structured Streaming API with MongoDB   (<https://www.coursera.org/learn/use-apache-spark-structured-streaming-api-mongodb>)   1. Data Analysis Using Pyspark   (<https://www.coursera.org/learn/data-analysis-using-pyspark>) | Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network | 2  1  1.5  2  1.5 |
| 14 | UI/UX | Online Coursera | Principles of UX/UI Design  (<https://www.coursera.org/learn/principles-of-ux-ui-design>)  Foundations of User Experience (UX) Design  (<https://www.coursera.org/learn/foundations-user-experience-design>) | Meta  Google | 21  18 | 1. Get Started with Figma   (<https://www.coursera.org/projects/get-started-figma>)   1. Create Your UX Portfolio with Adobe Portfolio   (<https://www.coursera.org/projects/create-ux-portfolio-adobe-portfolio>)   1. User Interface (UI) Design with Wireframes in Miro   (<https://www.coursera.org/projects/user-interface-design-wireframes-miro>)   1. Create Your UI/UX Portfolio with GitHub   (<https://www.coursera.org/projects/create-uiux-portfolio-github>)   1. Create a Website Using Wordpress : Free Hosting & Sub-domain   (<https://www.coursera.org/projects/create-a-website-using-wordpress-free-hosting-subdomain>) | Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network | 1.5  2  2  2  2 |
| 15 | Application Development using Java Programming | Online Coursera | Java as a Second Language Specialization([https://www.coursera.org/specializations/java-programming-language#courses](https://www.coursera.org/specializations/java-programming-language%23courses))  Introduction to Java and Object-Oriented Programming(<https://www.coursera.org/learn/java-object-oriented-programming>) | LearnQuest  Penn | 36  19 | 1. Introduction to Java Programming: Java Fundamental Concepts( <https://www.coursera.org/projects/introduction-to-java-programming-java-fundamental-concepts?index=prod_all_launched_products_term_optimization&entityTypeDescription=Guided%20Projects>) 2. Create a Record of Students using Arrays in Java <https://www.coursera.org/projects/create-a-record-of-students-using-arrays-in-java>) 3. Create a Record of Students using Abstraction in Java( <https://www.coursera.org/projects/create-a-record-of-students-using-abstraction-in-java>) 4. AngularJS for Beginners: Getting Started   (<https://www.coursera.org/projects/angularjs-beginners-getting-started>)   1. Learn Java with no prior programming experience   (<https://www.coursera.org/projects/learn-programming-java>) | Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network | 1.4  2.15  2  1.5  2 |
| 16 | Operating System — Core Programming — Shells, Kernel | Online  Coursera | Operating Systems and You: Becoming a Power User  ([https://www.coursera.org/learn/os-power-user#syllabus](https://www.coursera.org/learn/os-power-user" \l "syllabus))  Introduction to Hardware and Operating Systems  (<https://www.coursera.org/learn/introduction-to-hardware-and-operating-systems>)  Intro to Operating Systems 3: Concurrency  (<https://www.coursera.org/learn/codio-intro-to-operating-systems-3-concurrency>)  Intro to Operating Systems 1: Virtualization  (<https://www.coursera.org/learn/codio-intro-to-operating-systems-1-virtualization>) | Google  IBM  Codio  Codio | 32  17  7  8 | 1. Command Line in Linux   (<https://www.coursera.org/projects/command-line-linux>)   1. Command Line Basics in Linux   (<https://www.coursera.org/projects/command-line-basics-linux>)   1. Introduction to Bash Shell Scripting   (<https://www.coursera.org/projects/introduction-to-bash-shell-scripting>)   1. Linux: Introduction to Shell Scripting for DevOps   (<https://www.coursera.org/projects/intro-shell-bash-scripting-devops>)   1. Advanced Commands in Linux   (<https://www.coursera.org/projects/advanced-commands-linux>) | Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network | 1  1.5  1  2  1.5 |
| 17 | Wed Designing, Web Dev(Chrome Development) | Online Coursera | Introduction to Web Development with HTML, CSS, JavaScript <https://www.coursera.org/learn/introduction-to-web-development-with-html-css-javacript> Responsive Web Design in Adobe XD <https://www.coursera.org/learn/responsive-web-design-adobe-xd> | IBM  Google | 12  42 | 1. Build Your Portfolio Website with HTML and CSS   (<https://www.coursera.org/learn/build-portfolio-website-html-css>)   1. Modern JavaScript: Iterators and Generators   (<https://www.coursera.org/learn/modern-javascript-iterators-and-generators>)   1. Element, Class, and ID Selectors in CSS   (<https://www.coursera.org/learn/element-class-and-id-selectors-in-css>)   1. Generate a PDF File with JavaScript(<https://www.coursera.org/learn/pdf-with-javascript>) 2. Build "Guess The Color" game using JavaScript, HTML and CSS   (<https://www.coursera.org/learn/guess-color-game>) | Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network | 1.5  2  1.10  1  1.2 |
| 18 | Android App Development, Android with Jetpack Compose, Android with Kotlin | Online  Coursera | Create the User Interface in Android Studio [https://](https://www.coursera.org/learn/create-the-user-interface-android-studio)[www.coursera.org/learn/create-the-user-interface-android-studio](https://www.coursera.org/learn/create-the-user-interface-android-studio)  Programming Fundamentals in Kotlin(<https://www.coursera.org/learn/meta-programming-fundamentals-kotlin>) | META  META | 32  24 | 1. Build a Simple App in Android Studio with Java   (<https://www.coursera.org/learn/build-app-android-studio-java>)   1. Build an App in Android Studio using Resources   (<https://www.coursera.org/learn/build-an-app-in-android-studio-using-resources>)   1. Build an App in Android Studio using onTouch   (<https://www.coursera.org/learn/build-an-app-in-android-studio-using-ontouch>)   1. Build an App in Android Studio using Read-Write   (<https://www.coursera.org/learn/build-an-app-in-android-studio-using-read-write>)   1. A Simple Picture Storing App with Java and Android Studio   (<https://www.coursera.org/learn/a-simple-picture-storing-app-with-java-and-android-studio>) | Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network | 2  2  2  2  1 |
| 19 | Data Science with Python | Coursera | IBM Data Science Professional Certificate (<https://www.coursera.org/professional-certificates/ibm-data-science>) | IBM | 60 | 1. Topic Modeling using PyCaret   (<https://www.coursera.org/learn/topic-modeling-using-pycaret>)   1. Build a Regression Model using PyCaret   (<https://www.coursera.org/learn/build-a-regression-model-using-pycaret>)   1. AutoML tools for data science   (<https://www.coursera.org/learn/automl>)   1. Deep Learning with PyTorch : GradCAM   (<https://www.coursera.org/learn/deep-learning-with-pytorch-gradcam>)   1. Logistic Regression with NumPy and Python   (<https://www.coursera.org/learn/logistic-regression-numpy-python>) | Coursera Project  Network  Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network | 2  2  2  2  1.5 |
| 20 | Computer Graphics and Animation | Coursera | Introduction to Programming and Animation with Alice(<https://www.coursera.org/learn/introtoalice>) | DUKE | 47 | 1. Create a Storyboard using Canva   (<https://www.coursera.org/projects/create-storyboard-canva>)   1. Getting Started with Adobe Spark   (<https://www.coursera.org/projects/getting-started-with-adobe-spark>)   1. Create Animated GIF for Social Media using Adobe Photoshop   (<https://www.coursera.org/projects/creating-animated-gif-for-social-media>)   1. Building Digital Media using Graphic Design in PowerPoint   (<https://www.coursera.org/projects/building-digital-media-graphic-design-powerpoint>)   1. Create an Animation for a Social Media Icon using Adobe Illustrator   (<https://www.coursera.org/projects/creating-an-animation-for-a-social-media-icon>) | Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network | 2  1  2.2  1.5  1 |
| 21 | Digital Marketing | Coursera | Marketing in a Digital World ([https://www.coursera.org/learn/marketing-digital?specialization=digital-marketing](https://www.coursera.org/learn/marketing-digital?specialization=digital-marketing%20) )Digital Media and Marketing Principles(<https://www.coursera.org/learn/marketing-channels?specialization=digital-marketing>)Digital Media and Marketing Strategies (<https://www.coursera.org/learn/marketing-plan?specialization=digital-marketing>) | ILLIOIS | 28  20  20 | 1. Search Engine Optimization (SEO) with Squarespace   (<https://www.coursera.org/projects/search-engine-optimization-with-squarespace>)   1. Google Ads for Beginners   (<https://www.coursera.org/projects/google-ads-beginner>)   1. How to Set Up a Facebook Ads Campaign   (<https://www.coursera.org/projects/how-to-set-up-a-facebook-ads-campaign>)   1. Build a Full Website using WordPress   (<https://www.coursera.org/projects/build-a-full-website-using-wordpress>)   1. Getting Started in Google Analytics   (<https://www.coursera.org/projects/getting-started-in-google-analytics>) | Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network | 2  2  1.25  2  1 |
| 22 | Linux Fundamentals and Networking | Coursera | Applied Software Engineering Fundamentals Specialization([https://www.coursera.org/specializations/software-engineering-fundamentals#courses](https://www.coursera.org/specializations/software-engineering-fundamentals%23courses)) | IBM | 60 | 1. Command Line in Linux   (<https://www.coursera.org/projects/command-line-linux>)   1. Command Line Basics in Linux   (<https://www.coursera.org/projects/command-line-basics-linux>)   1. Introduction to Bash Shell Scripting   (<https://www.coursera.org/projects/introduction-to-bash-shell-scripting>)   1. Linux: Introduction to Shell Scripting for DevOps   (<https://www.coursera.org/projects/intro-shell-bash-scripting-devops>)   1. Advanced Commands in Linux   (<https://www.coursera.org/projects/advanced-commands-linux>) | Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network | 1  1.5  1  2  1.5 |
| 23 | Enterprise Automation / SAP | Coursera | SAP Professional Fundamentals( <https://www.coursera.org/learn/sap-professional-fundamentals?specialization=sap-technology-consultant>)  Understanding the Enterprise Systems Environment( <https://www.coursera.org/learn/understanding-the-enterprise-systems-environment?specialization=sap-technology-consultant>)  SAP Customer Engagement and Discovery( <https://www.coursera.org/learn/sap-customer-engagement-and-discovery?specialization=sap-technology-consultant>)  Designing an SAP Solution( <https://www.coursera.org/learn/designing-an-sap-solution?specialization=sap-technology-consultant>) | SAP | 11  14  13  13 | 1. Introduction to CRM with HubSpot(<https://www.coursera.org/projects/introduction-to-crm-with-hubspot>) | Coursera Project Network | 2 |
| 24 | Oracle, Google Cloud Platform, Google Map Platform | Coursera | Oracle SQL Databases Specialization( <https://www.coursera.org/specializations/oracle-sql-databases>)  Preparing for Google Cloud Certification: Cloud Engineer Professional Certificate( <https://www.coursera.org/professional-certificates/cloud-engineering-gcp>) | LearnQuest+Google Cloud | 32  48 | 1. Introduction to Relational Database and SQL(<https://www.coursera.org/projects/introduction-to-relational-database-and-sql>) 2. Custom Prediction Routine on Google AI Platform(<https://www.coursera.org/projects/custom-prediction-routine-google-ai-platform>) 3. Building Candlestick Charts with Google Sheets( <https://www.coursera.org/projects/building-candlestick-charts-google-sheets>) | Coursera Project Network  Coursera Project Network  Coursera Project Network | 1  2  2 |
| 25 | Network Administration | Coursera | Network Defense Essentials ( [https://www.coursera.org/learn/network-defense-essentials-nde?specialization=cybersecurity-attack-and-defense#syllabus](https://www.coursera.org/learn/network-defense-essentials-nde?specialization=cybersecurity-attack-and-defense%23syllabus))  System Administration and IT Infrastructure Services(<https://www.coursera.org/learn/system-administration-it-infrastructure-services>) | Ec-Council  Google | 31  25 | 1. Routing Protocols Fundamentals using Cisco Packet Tracer   (<https://www.coursera.org/projects/routing-protocols-fundamentals>)   1. Program Automation of devices using Packet Tracer   (<https://www.coursera.org/learn/program-automation-of-devices-using-packet-tracer>)   1. Data Forwarding Across Computer Networks   (<https://www.coursera.org/learn/data-forwarding-computer-networks>)   1. Getting Started with IPv6   (<https://www.coursera.org/learn/ip-address-v6>)   1. Configure and Test Basic Network Connectivity   (<https://www.coursera.org/learn/configure-test-basic-network-connectivity-ccna-1-2>) | Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network | 1  2  2  1.5  2 |
| 26 | Microsoft Azure |  | Microsoft Azure Data Engineering Associate (DP-203) Professional Certificate( [https://www.coursera.org/professional-certificates/microsoft-azure-dp-203-data-engineering#courses](https://www.coursera.org/professional-certificates/microsoft-azure-dp-203-data-engineering" \l "courses))  First Five courses |  | 6+16+16+8+14=60 | 1. Introduction to virtual machines in Microsoft Azure (<https://www.coursera.org/projects/introduction-to-virtual-machines-in-microsoft-azure>) 2. Microsoft Azure Relational Databases   (<https://www.coursera.org/projects/microsoft-azure-relational-databases>)   1. Develop Clustering Models with Azure ML Designer   (<https://www.coursera.org/projects/develop-clustering-models-microsoft-azure-ml-designer>)   1. Introduction to Budgets in Microsoft Azure Cost Management   ([https://www.coursera.org/projects/introduction-to-budgets-in-microsoft-azure- cost-management](https://www.coursera.org/projects/introduction-to-budgets-in-microsoft-azure-%20cost-management))   1. Using Query Store in Azure   (<https://www.coursera.org/learn/using-query-store-in-azure>) | Microsoft  Microsoft  Microsoft  Microsoft  Coursera Project Network | 2  2  2  2  1 |
| 27 | Advanced Technologies like Django, Kotlin, Flutter, NOSql, MongoDB | Coursera | Developing Applications with SQL, Databases, and Django( <https://www.coursera.org/learn/developing-applications-with-sql-databases-and-django?specialization=ibm-full-stack-cloud-developer>)  Programming Fundamentals in Kotlin( <https://www.coursera.org/learn/meta-programming-fundamentals-kotlin>)  Introduction to NoSQL Databases( <https://www.coursera.org/learn/introduction-to-nosql-databases>)  MongoDB Aggregation Framework( <https://www.coursera.org/learn/mongodb-aggregation-framework>) | IBM  Meta  IBM  mongodb | 13+2 | 1. Query data in Django   (<https://www.coursera.org/learn/query-data-django>)   1. Create a basic contacts list web app using Django   (<https://www.coursera.org/learn/django-contacts-list-web-app>)   1. Create an Android App with Kotlin   (<https://www.coursera.org/learn/android-app-kotlin>)   1. Apply advanced testing for your Django web application   (<https://www.coursera.org/learn/advanced-testing-django-web-application>)   1. Kotlin For Beginners: Data Types and Conditional Expressions(<https://www.coursera.org/projects/kotlin-for-beginners-data-types-and-conditional-expressions>) 2. Create a Python Application using PyMongo and MongoDB Database(<https://www.coursera.org/projects/python-application-pymango-mongodb-database>) 3. Use the Apache Spark Structured Streaming API with MongoDB(<https://www.coursera.org/projects/use-apache-spark-structured-streaming-api-mongodb>) | Coursera Project Network Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network | 2  2  1.5  2  1.5  2  2 |
| 28 | Java Programming | Coursera | Java as a Second Language Specialization([https://www.coursera.org/specializations/java-programming-language#courses](https://www.coursera.org/specializations/java-programming-language%23courses))  Introduction to Java and Object-Oriented Programming(<https://www.coursera.org/learn/java-object-oriented-programming>) | LearnQuest  Penn | 36  19 | 1. Process Student Details using Inheritance in Java(<https://www.coursera.org/projects/process-student-details-using-inheritance-in-java>) 2. Introduction to Java Programming: Java Fundamental Concepts   (<https://www.coursera.org/projects/introduction-to-java-programming-java-fundamental-concepts>)   1. Introduction To Java Database Connectivity - JDBC   (<https://www.coursera.org/projects/java-database-connectivity>)   1. AngularJS for Beginners: Getting Started   (<https://www.coursera.org/projects/angularjs-beginners-getting-started>)   1. Learn Java with no prior programming experience   (<https://www.coursera.org/projects/learn-programming-java>) | Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network  Coursera Project Network | 2  1.40  1.5  1.5  2 |
| 29 | Cyber Security Fundamentals | Coursera | IT Fundamentals for Cybersecurity Specialization ( <https://www.coursera.org/specializations/it-fundamentals-cybersecurity>) | IBM | 60 | 1. Coding for Beginners: An Easy Introduction   (<https://www.coursera.org/projects/coding-for-beginners-an-easy-introduction>)   1. Microsoft Windows Defender and Firewall for Beginners   (<https://www.coursera.org/projects/microsoft-windows-defender-and-firewall-for-beginners>)   1. Google Chrome Security and Extensions for Beginners   (<https://www.coursea.org/projects/google-chrome-security-and-extensions-for-beginners>)   1. Beginner's guide to AWS Identity and Access Management (IAM)   (<https://www.coursera.org/projects/beginners-guide-to-aws-identity-and-access-management>)   1. Analyze Network Traffic with TCPDump   (<https://www.coursera.org/projects/analyze-network-traffic-with-tcpdump>) | IBM  IBM  IBM  Coursera Project Network  Coursera Project Network | 2  2  2  2  1.5 |