

# Sumana Bhlapibul | Online Trainings with certificates

## Microsoft Professional Program (2018-2019)

1. MPP Data Science
  - Introduction to Data Science
  - Query Relation Data
  - Analyze and Visualize Data with PowerBI
  - Understand Statistics with Excel
  - Core Data Science
  - Explore Data with Code in Python
  - Explore Data with Code in R
  - Understand Core Concepts of Data Science
  - Understand Machine Learning
  - Use Code to Manipulate and Model Data in Python
  - Predictive Analytics with Spark in Azure
  - Analyze Big Data with Microsoft R
2. MPP Data Analytics
  - A Practical Approach for Absolute Beginners
  - Essential Math for Data Analysis using Excel
  - Data Visualization : A Practical Approach for Absolute Beginners
  - Introduction to Data Analysis using Excel
  - Querying Data with Transact-SQL
  - Analyzing and Visualizing Data with Excel
  - Analytics Storytelling for Impact
  - Applied Data Analysis : Working in Organizations and Industries
3. MPP Artificial Intelligence
  - Introduction to Artificial Intelligence (AI)
  - Introduction to Python for Data Science
  - Essential Math for Machine Learning: Python Edition
  - Ethics and Law in Data and Analytics
  - Data Science Essentials
  - Data Science Research Methods: Python Edition
  - Principles of Machine Learning: Python Edition
  - Deep Learning Explained
  - Reinforcement Learning Explained
  - Computer Vision and Image Analysis
4. MPP DevOps
  - Introduction to DevOps Practices
  - Infrastructure as Code
  - Continuous Integration and Continuous Deployment
  - Configuration Management
  - Testing in Continuous Delivery Pipeline
  - Database Integration in Continuous Delivery Environments
  - Application Monitoring and Feedback Loops
  - DevOps for Mobile Apps

## 5. MPP IoT

- Introduction to Internet of Things (IoT)
- Introduction to Device Programming for IoT: C Edition
- IoT Device Configuration and Communication: C Edition
- IoT Data Analytics and Storage
- Business Intelligence for IoT Solutions
- Predictive Analytics for IoT Solutions
- IoT Architecture Design and Business Planning
- Microsoft Professional Capstone: Internet of Things

## 6. MPP Big Data

- Introduction to Big Data,
- Analyzing and Visualizing Data with Excel
- Introduction to NoSQL Data Solutions
- Querying Data with Transact-SQL
- Delivering a Data Warehouse in the Cloud
- Processing Big Data with Azure HDInsight
- Processing Real-Time Data Streams in Azure
- Orchestrating Big Data with Azure Data Factory
- Developing Big Data Solutions with Azure Machine Learning
- Analyzing Big Data with Microsoft R
- Implementing Predictive Analytics with Spark in Azure HDInsight

## IBM Cognitive Classes (2019)

1. IBM Applied Data Science
2. IBM Blockchain Essential
3. IBM Data Analysis with Python
4. IBM Data Privacy Fundamental
5. IBM Data Visualization with Python
6. IBM Deep Learning Fundamental
7. IBM Docker Essential
8. IBM Machine Learning with Python
9. IBM Python for Data Science
10. IBM Build Your Own Chatbots

## edX (2019)

1. Harvard Using Python for Research

## DataCamp (2019-2020)

1. DataCamp Analyzing Police Activity with Pandas
2. DataCamp Cleaning Data in Python
3. DataCamp Conda Essential
4. DataCamp Data Science for Manager
5. DataCamp Importing Data in Python
6. DataCamp Interactive Data Visualization with Bokeh
7. DataCamp Intermediate Python for Data Science

8. DataCamp Intermediate Spreadsheet for Data Science
9. DataCamp Introduction to SQL for Data Science
10. DataCamp Introduction to Data Visualization with Python
11. DataCamp Introduction to Python
12. DataCamp Introduction to Relational Databases in SQL
13. DataCamp Introduction to Shell for Data Science
14. DataCamp Joining Data in SQL
15. DataCamp Machine Learning with the Expert – School Budget
16. DataCamp Manipulating DataFrame with Pandas
17. DataCamp Merging DataFrame with Pandas
18. DataCamp Network Analysis in Python
19. DataCamp NLP Fundamental in Python
20. DataCamp Pandas Foundation
21. DataCamp Power BI
22. DataCamp Python Data Science Toolbox
23. DataCamp Regular Expression in Python
24. DataCamp Statical Thinking in Python
25. DataCamp Supervised Learning with Scikit-learn
26. DataCamp Tableau

## Coursera (2020 – 2022)

1. CERTNEXUS: Ethical Technology
  - Communicate Effectively about Ethical Challenges in Data-Driven Technology
  - Promote the Ethical Use of Data-Driven Technologies
  - Create and Lead an Ethical Data-Drive Organization
  - Turn Ethical Frameworks into Actionable Steps
  - Direct and Mitigate Ethical Risks
2. IBM: Building AI Powered Chatbots without Programming
3. IBM: Cybersecurity Roles, Processes & Operating System Security
4. IBM: Data Analysis and Visualization Foundation
  - Introduction to Data Analytics
  - Excel Basics for Data Analysis
  - Data Visualization and Dashboards with Excel and Cognos
5. IBM: Data Science
  - Introduction to Data Science
  - Tools for Data Science
  - Python for Data Science, AI & Development
  - Databases and SQL for Data Science with Python
  - Statistics for Data Science with Python
  - Data Analysis with Python
  - Data Visualization with Python
  - Machine Learning with Python
  - Applied Data Science Capstone
6. Microsoft: Azure Data Scientist Associate (DP-100)
  - Create Machine Learning Models in Microsoft Azure
  - Microsoft Azure Machine Learning for Data Scientist
  - Build and Operate Machine Learning Solutions with Azure

- Perform Data science with Azure Databricks
- 7. Microsoft: Azure Machine Learning for Data Scientist
- 8. Microsoft: Azure Cosmos DB
- 9. Microsoft: Explore Data Concepts in Microsoft Azure
- 10. Microsoft: Modern Data Warehouse Analytics in Microsoft Azure
- 11. Microsoft: Microsoft Azure SQL
- 12. Deeplearning.ai: Neural Network and Deep Learning
- 13. Deeplearning.ai: Structuring Machine Learning Projects
- 14. Google: Data Analytics
  - Foundation Data, Data, Everywhere
  - Ask Questions to Make Data-Drive Decisions
  - Prepare Data for Exploration
  - Process Data from Dirty to Clean
  - Analyze Data Answer Questions
  - Share Data Through the Art of Visualization
  - Data Analysis with R Programming
- 15. Meta: Introduction to Front-End Development
- 16. Meta: Programming with JavaScript
- 17. The State University of New York: Applied Analytics and Data for Decision Making
- 18. The State University of New York: Data Analysis and Visualization
- 19. The State University of New York: Data-Driven Process Improvement
- 20. The State University of New York: Information Visualization: Applied Perception
- 21. NYU Tandon School of Engineering : Information Visualization Foundations
- 22. The Hong Kong University of Science and Technology: Full Stack Web Development with Angular
  - Front-End Web UI Frameworks and Tools: Bootstrap4
  - Front-End JavaScript Frameworks: Angular
  - Server-side Developments with NodeJS, Express and MongoDB
- 23. The Hong Kong University of Science and Technology: Full Stack Web Development with React
  - Front-End Web UI Frameworks and Tools: Bootstrap4
  - Front-End JavaScript Frameworks: React
  - Server-side Developments with NodeJS, Express and MongoDB
- 24. The Hong Kong University of Science and Technology: Developing Android Apps with App Inventor
- 25. University of Michigan: Web Applications for Everybody
  - Building Web Applications in PHP
  - Introduction to Structured Query Language (SQL)
  - Building Database Application in PHP
  - JavaScript, jQuery and JSON
- 26. University of Michigan: Applied Text Mining in Python
- 27. University of Michigan: Applied Plotting, Charting & Data Presentation in Python
- 28. Johns Hopkins University: Data – What it is, What Can We Do With It
- 29. Johns Hopkins University: HTML, CSS and JavaScript for Web Developers
- 30. UCDAVIS: Critical Thinking Skills for Professional
- 31. UCDAVIS: JavaScript Basics
- 32. NIIT: Introduction to building Web Pages using HTML5 and CSS3
- 33. Coursera Project: Blazor and JavaScript Interoperability
- 34. Coursera Project: Build a Full Website using WordPress
- 35. Coursera Project: Build a mobile app with Google Sheets on Glide and no coding

36. Coursera Project: JavaScript animation for websites, storytelling, data visualization and games
37. Coursera Project: Create Your First Web App with Python and Flask
38. Coursera Project: Web Scraping with Python and BeautifulSoup
39. Coursera Project: Interactive Word Embedding using Word2Vec and Plotly