



**START YOUR  
COPILOT TRAINING  
CAREER TODAY!!**

**CREDO SYSTEMZ**  
**Copilot Training  
for Data Analysts**

# Capstone Projects :

Real Time Business Scenario using  
Copilot Training for Data Analysts



## **Sales Data Forecasting in Excel**

Use Copilot to clean datasets, run regression/time-series models, and generate sales forecasts with automated dashboards.



## **Market Basket Analysis**

Run association rule mining in Excel with Copilot to identify frequently bought products and generate cross-sell recommendations.



## **Churn Prediction Insights**

Leverage Copilot to build logistic regression models, identify churn risk factors, and auto-generate retention strategy reports.



## **Financial Performance Reporting**

Use Copilot in Word/Excel to automate financial KPIs, variance analysis, and create investor-ready reports.



## **Customer Segmentation Analysis**

Apply Copilot in Excel to cluster customers by demographics, behavior, or transactions and create dynamic pivot dashboards.



## **Interactive Dashboards with Power BI + Copilot**

Build AI-assisted dashboards that summarize data, highlight trends, and provide predictive insights for decision-making.



# **COPILOT TRAINING FOR DATA ANALYSTS** **COURSE SYLLABUS**

## ● **Section 1 : Introduction to AI in Data Analytics**

- Evolution of AI in analytics workflows
- GitHub Copilot
- GitHub Copilot vs Microsoft Copilot for Analysts
- How AI interprets prompts in queries and data scripts
- Future of AI in business intelligence

## ● **Section 2 : Getting Started with GitHub Copilot**

- Creating a GitHub account & enabling Copilot
- Installing Copilot extension in VS Code / Jupyter / SQL IDEs
- Configuring workspace for data projects
- Managing data privacy
- Understanding inline suggestions
- Using block suggestions for complex transformations
- Shortcuts and hotkeys for faster workflow

## ● **Section 3 : Prompt Engineering for Data Analysts**

- Crafting prompts to clean and transform data
- Writing SQL queries with natural language prompts
- Converting business requirements into queries and reports
- Debugging prompts to improve query accuracy
- Complex joins, aggregations & filters

## ● **Section 4 : AI-Powered Data Preparation and Cleaning**

- Using AI to write data cleaning scripts
- Generating ETL workflows
- Creating reusable Python (Pandas) data functions
- Automating repetitive data formatting tasks
- Detect anomalies/outliers



- Building quick scripts for data preprocessing
- Documenting transformation steps with inline comments

## ● **Section 5 : AI for SQL and Query Optimization**

- Writing SQL queries from natural language
- Generating aggregations, joins, subqueries
- Optimizing slow queries with AI suggestions
- Automating stored procedures & triggers
- Detecting syntax and logical errors in queries
- Creating data validation queries automatically
- Multi-database support

## ● **Section 6 : AI in Visualization and Reporting**

- Generating Python charts with prompts
- Creating Power BI and DAX expressions with AI
- Automating Excel formulas
- Pivot Tables
- Explaining charts
- Generating dashboard ready queries
- Auto-documenting reports for stakeholders

## ● **Section 7 : Advanced Analytics with AI**

- Using AI to build predictive models
- Automating feature selection
- Writing statistical tests with prompts
- Generating time-series analysis scripts
- Quick prototyping of ML models in Python
- Identifying limitations of AI in analytics

## ● **Section 8 : Real Time Projects**

- Sales & Revenue Dashboard
- Customer Segmentation Analysis
- Financial Performance Report
- E-Commerce Product Analytics

## Tools Covered

GitHub Copilot



GitHub Copilot Chat



Visual Studio Code



Azure Data Studio



Power BI



Excel



SQL Server / Azure SQL Database



Python



R (optional, with Copilot support)



Jupyter Notebooks



## Skills Covered

Prompt Engineering



Data Cleaning & Transformation



Data Analysis with Natural Language Queries



SQL Query Generation



Data Visualization Assistance



Report & Dashboard Creation



Statistical Analysis with AI Support



Exploratory Data Analysis (EDA)



Insights Generation & Storytelling



Automation of Repetitive Data Tasks



# Earn your Copilot Course Completion Certificate

Credo Systemz's certificate is highly recognized by  
30K Global companies around the world.



# WHAT OUR **TRAINEE** SAYS?



**Libi charan**

**4.7** ★★★★★

Excellent course! Clear explanations, step-by-step guidance, and practical examples. Learned to use Copilot effectively. Highly recommend for beginners and professionals..



**Srivarshini**

**4.2** ★★★★★

Had a wonderful learning experience at Credo Systemz. The Copilot course was clear, easy, and effective. Trainers were very supportive and the proper coordination's. Thank you Credo Systemz



**Jason Israel**

**5.0** ★★★★★

Highly recommended course! Trainers explained Copilot features simply. Learned real-world applications. Increased productivity immediately. Perfect for students and professionals alike.



**Vasmitha**

**4.9** ★★★★★

Credo Systemz delivered a well-structured Copilot Training for software Tester. Trainers explained everything clearly. Gained useful knowledge. Very helpful for career growth.



**Abinaya**

**4.0** ★★★★★

Credo Systemz provided a great Copilot Training for software Tester. Easy explanations, hands-on practice, and helpful trainers. Perfect for beginners and professionals alike.



**Padmesh**

**4.5** ★★★★★

Very helpful training! The course makes Copilot Training for Data Analysts easy to understand. Great for productivity. Learned tips I can apply daily. Highly recommended. Thank you Credo Systemz






# CHENNAI


## VELACHERY

New # 30, Old # 16A, Third Main Road, Rajalakshmi Nagar, Velachery, (Opp. to Murugan Kalyana Mandapam), Chennai – 600 042.

 +91 98844 12301

## OMR

Plot No.8, Vinayaga Avenue, Rajiv Gandhi Salai, (OMR), Okkiampettai, (Behind Okkiyampet Bus Stop) Chennai – 600 097.

 +91 96001 12302

# OVERSEAS

## USA

Houchin Drive, Franklin, TN -37064. Tennessee

## UAE

Sima Electronic Building, LLH Opposite, Electra Street – Abu Dhabi