

# RESUME

## ARUNAVA SAMANTA

**AI-Powered Full Stack Data Professional with a strong passion for solving end-to-end data problems using modern analytics.**

Languages: Bengali, Hindi, English

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## SKILLS

- SQL
- Python
- AI/ML
- Matplotlib
- Databricks
- Pandas
- Snowflake
- Microsoft Azure
- Power BI
- Microsoft Fabric
- Apache Airflow

## CERTIFICATIONS

- |  |                 |
|--|-----------------|
| • Microsoft Fabric Data Engineer Associate (DP-700)      | Score: 753/1000 |
| • Microsoft Fabric Analytics Engineer Associate (DP-600) | Score: 793/1000 |
| • Microsoft Power BI Data Analyst Associate (PL-300)     | Score: 886/1000 |
| • Microsoft Azure Data Fundamentals (DP-900)             | Score: 950/1000 |
| • Microsoft Azure AI Fundamentals (AI-900)               | Score: 900/1000 |

## MAJOR PROJECTS

### Fruit Disease Detection - CNN

- Created a CNN-based deep learning model to detect fruit leaf diseases with 95% accuracy over 20,000+ images.
- Enforced in Notebook with technologies like Python, Pandas, Visualization, Deep Learning, VGG16, CNN, Image Classification.
- Deployed the solution on Web, enabling farmers to classify apple and grape leaf diseases via an interactive web app, reducing crop losses and improving early detection.

### Real-Time Analytics – Snowflake

- Designed a real-time Lakeflow Spark Declarative Pipeline, ingesting and storing raw application data in Snowflake before processing it in Databricks for complex transformations. Implemented the Medallion Architecture (Bronze - Silver - Gold) to automatically convert raw data into clean, analytics-ready insights.
- Delivered instant regional insights in Power BI by connecting dashboards directly to Snowflake's optimized gold layer, fully eliminating manual reporting and enabling fast, accurate business decisions.

## WORK EXPERIENCES

### Capgemini

Data Analyst

Jun 2024 –Present

Kolkata, India

- Delivered AI-driven analytics and automation by building complex Power BI insights with DAX and partnering with leadership across Finance, Headcount, and Resource Allocation, enabling real-time decisions and contributing to 5.8% revenue growth and a 7% headcount increase in 2025.
- Built a real-time Microsoft Fabric pipeline to ingest and process company news from APIs into Lakehouse/Warehouse, applied NLP-based sentiment analysis in Fabric Notebooks, visualized live trends in Power BI, and automated Activator email alerts so employees stay informed about Organization's latest updates in daily work life.

### ITC Infotech

Data Engineer

Jul 2023 – Jun 2024

Bangalore, India

- Progressed from visualization to advanced data engineering by architecting optimized Power BI solutions and streamlining data workflows, resulting in a 30% improvement in report performance and faster client decision-making.
- Enhanced technical depth by fixing complex issues in logs and creating Snowflake SQL views, improving data reliability and speed.
- Delivered customized solutions to meet evolving client requirements, showcasing adaptability and problem-solving.

### Cognizant (Internship)

Data Trainee

Mar 2023 – Jun 2023

Kolkata, India

- Leveraged Data Warehouse's Time Travel feature to build robust historical data analysis workflows.
- Built a strong base in data visualization and cloud integration, setting the stage for future roles.

## EDUCATIONS

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|--|------------|
| • B. Tech in E&I Engineering   Narula Institute of Technology   2023 | marks: 86% |
| • Higher Secondary (Science)   Agarpara Mahajati Vidyapith   2019    | marks: 83% |
| • Secondary (General)   Agarpara Mahajati Vidyapith   2017           | marks: 85% |

## HOBBIES

- Playing Football
- Playing Guitar