

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

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|--|-----------------|
| • 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

- 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