

RESUME

ARUNAVA SAMANTA

AI-Powered Full Stack Data Professional (2.8 years) and 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
- Databricks (Py-Spark)
- Pandas
- Matplotlib
- Power BI
- Microsoft Fabric
- Microsoft Azure

CERTIFICATIONS

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| • 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 Using 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.

News Sentiment Analysis & Alert System Using Fabric

- Built a real-time data pipeline in Microsoft Fabric to ingest continuously updated news articles from the Bing News API, storing and processing them in Lakehouse & Warehouse.
- Applied NLP-based sentiment analysis in Fabric Notebooks and visualized live trends through interactive Power BI dashboards for actionable insights.
- Implemented automated email alerts using Activator, notifying users instantly about critical or negative news to stay updated in daily life.

WORK EXPERIENCES

Capgemini

Data Analyst

Jun 2024 –Present

Kolkata, India

- Delivered advanced AI based analytics by creating complex Power BI insights with DAX, while engaging with leadership to understand business across Finance, Headcount, and Resource Allocation.
- Implemented AI driven cross-regional insights and automation and enabling real-time decision-making for leadership teams.
- In my role, I presented actionable insights that helped leadership formulate future strategies, resulting in 5.8% revenue growth in 2025 and a 7% increase in headcount, strengthening business scalability.

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