Ankur Halder

Data Analyst | Data Scientist | Final-Year BTech CSE (AI-ML)

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Profiles	Ankur-Halder	Ankur Halder

Summary

B.Tech student in Artificial Intelligence and Machine Learning with strong skills in **Python, SQL, Excel, Power BI**, and **machine learning**. Experienced in **data analysis**, **data cleaning**, **EDA**, **data visualization**, and **predictive modeling** using real-world datasets. Proficient in **pandas, NumPy, scikit-learn**, and **Matplotlib** for working with large datasets. Completed projects in **HR analytics**, **sales forecasting**, and **Student Performance**, following full **data science workflows**.

Education

Brainware University   July 2022 - Present
Computer Science and Engineering (Specialization: AI & ML)   Bachelor of Technology (B.Tech)
9.0 GPA (Current)

KPS Institute of Polytechnic   2022
Electrical Engineering   Diploma Electrical Engineering
8.0 GPA (Overall)

Janai Training High School   2019
Commerce   Higher Secondary Education (Class 12)
63.6%

Janai Training High School   2017
53.57%   Secondary Education (Class 10)

Projects

HR Analytics Dashboard (Power BI + Python)   July 2025

Built a comprehensive **HR analytics dashboard** using **Power BI** and **Python** to analyze employee data including attrition, salary, and job satisfaction. Performed **data cleaning**, **EDA**, and created visual KPIs for strategic HR decision-making. Automated insights using **DAX** and **interactive visuals**.

Data Analysis, HR analytics, Power BI, EDA, KPI dashboard, data visualization, data cleaning, DAX, employee attrition, business intelligence

Retail Sales Forecasting   Jun 2025 – Jul 2025

Developed a **sales forecasting model** using **Python** and **scikit-learn** to predict retail store sales. Implemented **data preprocessing**, **feature engineering**, and used **linear regression** and **time-series analysis**. Achieved improved accuracy using trend and seasonality decomposition.

Sales forecasting, time-series analysis, feature engineering, linear regression, python, pandas, matplotlib, scikit-learn, trend analysis, retail analytics

Student Performance Analysis   Apr 2025 – May 2025

Conducted a **student performance analysis** using **Excel** and **Python** to identify academic trends and key influencing factors. Applied **correlation analysis**, created **bar charts** and **scatter plots** to visually represent subject-wise performance. Derived insights to improve student outcomes.

Student performance, Excel, correlation analysis, EDA, Python, bar chart, scatter plot, educational analytics, data visualization, performance metrics

Skills

Python	Machine Learning	Data Processing
Core language for ML/DL projects.	Built models for regression, classification & clustering	Cleaned, scaled, and reduced features
NumPy, Pandas, Scikit-learn, PyTorch, Matplotlib	Random Forest, SVM, Logistic Regression, KMeans	PCA, StandardScaler, Encoding
SQL & MySQL	**Git**	**Web Deployment (Basic)**
Queried and linked structured data	Version control for ML projects	Deployed models using Flask/Streamlit
Joins, Filtering, MySQL	GitHub, Branching, Commits	Flask, API, Gradio

Interests

Data Scientist	Research & Innovation
Object Detection, Image Classification, Pattern Understanding, Data Understanding, Data Processing	Edge AI, Edge Computing, Edge Technology
AI for Real-World Impact	**Outdoor games**
AgriTech, FinTech, Healthcare, ML Pipelines, Automation	cricket, volleyball, football, cycling, travelling, swimming, badminton

Certifications

Machine Learning with Python (ML0101EN)
IBM SkillsBuild

Machine Learning, Supervised Learning, Unsupervised Learning, Model Evaluation, Scikit-learn, Algorithms, Predictive Modeling

Python 101 for Data Science (PY0101EN)
IBM SkillsBuild & Cognitive Class

Python, Data Science, Data Visualization, Programming, Cognitive Class

Data Analysis with Python (DA0101EN)
IBM SkillsBuild

Data Analysis, Python, Pandas, Matplotlib, Data Cleaning, Data Preparation, Exploratory Data Analysis, Visualization

Languages

English	Bengali	Hindi