

JUGENDRA PRATAP

Data Science Undergraduate | AI & Python Enthusiast | Aspiring Machine Learning Engineer

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PROFESSIONAL SUMMARY

Second-year B.Tech Computer Science (Data Science) student with hands-on experience building machine learning models and analyzing real-world datasets using Python, SQL, and the Pandas/NumPy/Scikit-learn stack. Built and deployed an end-to-end ML web application, plus data-analytics and automation workflows. Currently strengthening DSA, Java, and Agentic AI. Seeking a Data Science, Data Analyst, AI, or Python Developer internship to deliver measurable, data-driven results.

TECHNICAL SKILLS

Languages: Python, SQL, C, Java (learning)

Machine Learning: Scikit-learn, Random Forest, Logistic Regression, KNN, SVM, Feature Engineering, Model Training & Evaluation, Classification

Data Science & Analytics: NumPy, Pandas, Matplotlib, Data Cleaning, Data Wrangling, Exploratory Data Analysis (EDA), Statistical Analysis, Data Visualization

Databases & Web: SQL, DBMS Fundamentals, Relational Algebra, Database Design, Flask, HTML, CSS

AI & Automation: Prompt Engineering, Generative AI, AI Agents, Agentic AI, n8n, Workflow Automation, Data Pipelines, Docker (basic)

Tools: Git, GitHub, Jupyter Notebook, VS Code, Cursor AI, Claude, ChatGPT

PROJECTS

Flight Delay Prediction System (Machine Learning)

Python, Scikit-learn, Random Forest, Flask

- Built an end-to-end machine learning system that predicts flight delays from historical flight data, deployed as a Flask web application with an HTML/CSS interface.
- Performed data preprocessing, feature engineering, and exploratory data analysis to convert raw operational records (airline, route, departure time) into model-ready data.
- Trained and compared four classification algorithms — Logistic Regression, KNN, SVM, and Random Forest — selecting Random Forest for the best accuracy of 92.14%.
- Served real-time delay predictions through the deployed app to help users make informed travel decisions.

Retail Sales Analysis & Interactive Dashboard

Excel, Data Cleaning, EDA, Pivot Analysis

- Cleaned and standardized a raw retail sales dataset, resolving missing values, inconsistent categories, and formatting errors to produce an analysis-ready dataset.
- Performed exploratory analysis across gender, age group, region, and channel to surface key sales and customer-behaviour trends.
- Built a multi-sheet interactive dashboard with charts and summary KPIs to communicate findings to non-technical stakeholders.

EDUCATION

B.Tech in Computer Science Engineering (Data Science)

2024 – 2028 (Expected)

Currently in 2nd Year · GLA University, Mathura, Uttar Pradesh

CERTIFICATIONS

AI Tools & ChatGPT Workshop — be10x

May 2025

COURSEWORK & ONGOING LEARNING

Coursework: Python Programming, C Programming, Data Science Fundamentals, Database Management Systems, Data Analytics, Computer Organization

Currently Learning: Data Structures & Algorithms (DSA), Java, Machine Learning, Agentic AI, AI Workflow Automation, Advanced Python