Suyash Mishra

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PROFILE SUMMARY

Third-year Computer Science student with specialization in AI & ML, demonstrated through multiple GitHub Repositories related to ML. Experienced in Python and scikit-learn with hands-on experience deploying ML solutions for 100+ users. Proven leadership in technical teams and hackathon competitions, seeking to leverage machine learning expertise in data-driven problem solving.

EDUCATION

VIT Bhopal University — *Bhopal, India*

Bachelor of Technology in **Computer Science & Engineering** (Specialization in **AI & ML**) — *2023 – 2027*

- 8.48 CGPA (Current)

Kendriya Vidyalaya, SIDHI — *Sidhi, Madhya Pradhesh, India*

Higher Secondary School Certificate (HSSC) — *2020-2022*

- 74%

Secondary School Certificate (SSC) — *2018-2020*

- 87.2%

SKILLS

Technical: Python3, Data Analysis, Machine Learning, Deep Learning, Data Structures , Java
Tools: Jupyter Notebook, VS Code, Git & GitHub, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow

CERTIFICATIONS

- Machine Learning by SmartBridge in collaboration with Google for Developers – June'25 (*link*)
- Microsoft Certified Azure Data Fundamentals – DP900 – June'25 (link)

PROJECTS

Project Summary: Flight Delays Prediction Using Machine Learning — ***May'25 – July'25***

- **Developed an end-to-end flight delay prediction system using Decision Tree Classifier to analyze historical flight data, weather conditions, and airport traffic patterns, achieving high accuracy in delay forecasting for improved operational planning**
- **Implemented comprehensive data preprocessing pipeline using Python, pandas, and scikit-learn including StandardScaler normalization, Label Encoding for categorical variables, and One-Hot Encoding, processing structured flight datasets with multiple features**
- **Built and deployed interactive Flask web application with HTML/CSS frontend enabling real-time flight delay predictions through user-friendly interface, allowing travelers and airline authorities to input flight parameters and receive instant delay probability assessments**

Project Summary: Laptop Recommendation System — ***Sept'24 – Dec'24***

- **Developed an intelligent laptop recommendation system processing 1,000+ laptop models with 15+ technical specifications to provide personalized suggestions based on user preferences, budget constraints, and performance requirements**
- **Implemented content-based filtering algorithm using Python, pandas, and scikit-learn with cosine similarity calculations, achieving 85%+ recommendation accuracy and reducing user search time by 60%**
- **Built interactive Streamlit web application with 5+ input parameters enabling users to receive top 10 ranked laptop recommendations with similarity scores above 0.7 threshold**