**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*](https://skillwallet.smartinternz.com/internships/google_developers/5499e63224605f2eb13406af0af5b76d))
* Microsoft Certified Azure Data Fundamentals – DP900 – June’25 ([link](https://www.certiport.com/portal/Pages/PrintTranscriptInfo.aspx?action=Cert&format=pdf&id=456))

**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**