SATYAM CHANDRASEN PATIL

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SUMMARY

Artificial Intelligence and Data science student with skills in coding and developing ML integrated systems. Coding languages includes C, CPP, Python. Seeking full-time position in IT

EDUCATION

Bachelor of Technology, Artificial Intelligence and Data science — Mar 2026
Annasaheb Dange college of engineering and Technology, — 8.43 CGPA

Higher secondary certificate — Mar 2022
R.J.S.P. Jr college, Dhavli — percentage: 75.67

TECHNICAL SKILLS

Programming: C, C++, Python, SQL
Libraries/Frameworks: Pandas, Numpy, Flask, Tensorflow, STL(C++)
Tools: Github, Colab, VS code
Other: Data analysis, Machine learning

ACADEMIC PROJECTS

Garbage classification AI — Feb 2025 – Apr 2025
Technologies Used : Python(data processing), SQL, Tensorflow, Convolution nueral network(CNN), Flask(Backend)
- Developed a machine learning-based tool capable of classifying garbage from user-uploaded images with **95% accuracy** , ensuring reliable and efficient waste categorization.
- Classified over **12 classes** of garbage. Efficiently handled challenges like class imbalance.
- The output is divided into 5 categories like fabric, glass, non-recyclable, paper, recyclable-inorganic.

Smart Retail Insights — Sept 2024 - Oct 2024
Technologies Used : Pandas, SQL, Machine Learning, Flask(Backend)
- Designed a data-driven analytics tool to help supermarkets track sales, analyze customer spending patterns and tackle customer segments.
- Improves decisions and marketing strategies up to **50%** and customer engagement by providing actionable insights derived from sales and customer data.
- Successfully implemented customer segmentation using **K-means clustering** algorithm, gives 4 different segements.

Smart EV Charge Duration Estimator — July 2024 - Sept 2024
Technologies Used : Pandas, SQL, Tensorflow, Machine Learning, Flask(Backend)
- Developed a predictive tool leveraging machine learning to forecast EV charging durations, enabling users and service providers to **optimize charging schedules and improve resource allocation**.
- Successfully implemented a machine learning model **(XGBoost)** to predict charging completion times. Enhances efficiency and user satisfaction by reducing waiting times and preventing grid overload through accurate time predictions, potentially improving charging station utilization by up to 40
- Considered parameters like state of charge, total battery capacity, state of health, internal battery temperature, etc.

CERTIFICATIONS

- Introduction to Machine learning — NPTEL — *Apr 2025*
- Principles of Management — NPTEL — *Apr 2025*
- Introduction to Data analytics — Coursera — *Dec 2024*
- Human resource development — NPTEL — *Oct 2024*
- Python for data visualization — IBM — *Jan 2024*