AKSHAY L N SHET

Bengaluru, Karnataka

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EDUCATION

Bachelor of Engineering in Information Science & Engineering	Dec 2021 - June 2025
G M Institute of Technology, Davangere	
Visvesvaraya Technological University	CGPA: 8.50 / 10.00

SKILLS AND INTERESTS

Programming	Python, Java, JavaScript, C, SQL
Data Science	Pandas, NumPy, Scikit-Learn, Stats, Feature Engineering, Model Evaluation
Visualization	Matplotlib, Seaborn, Plotly, EDA
Machine Learning	Regression, Classification, Ensemble Methods (Random Forest, XGBoost), Model Interpreta
Tools & Platforms	Jupyter Notebook, Git & GitHub, Postman, Docker (Basics), Google Cloud, Render, Vercel
Databases	MongoDB, MySQL

PROJECTS

SmartShelf — Retail Analytics & Object Detection — 2024
GitHub: https://github.com/Akshaylnshet/SmartShelf

- Built a smart retail shelf analytics system combining image processing and ML to detect product stock levels.
- Implemented object detection pipelines (YOLO-based approach) and used OpenCV for pre- and post-processing.
- Generated analytics and automated restocking alerts; produced visual dashboards for stock trends and low-stock detection.
- Tech stack: Python, OpenCV, YOLO, Pandas, basic Flask APIs for reporting.

House Price Prediction — 2024
Personal Project

- Developed regression models for house price prediction using data cleaning, feature engineering, and exploratory analysis.
- Applied Linear Regression, Lasso, Ridge, and Random Forest; performed hyperparameter tuning to reduce RMSE.
- Conducted correlation analysis and outlier treatment; produced diagnostic plots and model comparison metrics.
- Tech stack: Python, Pandas, Scikit-Learn, Matplotlib, Seaborn, Jupyter Notebook.

Hotel Booking App (Full Stack) — 2023
Personal / Coursework

- Implemented an Airbnb-like booking platform with CRUD operations for listings, users, and bookings.
- Designed RESTful APIs using Express.js and persisted data in MongoDB; deployed on Render.

Weather App (React + OpenWeather API) — 2022
Personal

- Built a React-based weather app consuming the OpenWeather API to display real-time weather details for searched locations.

INTERNSHIP EXPERIENCE

Machine Learning Intern — Technologics Ltd, Bengaluru — Oct 2023 - Nov 2023

- Performed data cleaning, preprocessing, and feature engineering using Pandas and NumPy.
- Built and evaluated baseline ML models (Linear Regression, Decision Trees, KNN) and created visualizations in Jupyter Notebook.

- Presented model results and suggested improvements based on evaluation metrics.

Software Intern — Aurelia Technologies Pvt Ltd (Remote)   Feb 2025 - May 2025

- Developed and maintained full-stack components; designed RESTful APIs and integrated data validation steps.
- Worked with MongoDB for data storage and collaborated with frontend teams to integrate analytics endpoints.

CERTIFICATIONS

- Google Cloud Arcade Facilitator Program — Champion Milestone (2024)
- NPTEL: Programming in Java (2024)
- NPTEL: The Joy of Computing using Python (2024)

POSITIONS OF RESPONSIBILITY

General Secretary, Forum Exotic — Dept. of ISE   2023 - 2024

· Organized technical and non-technical events, workshops, and student engagement activities to improve technical skills of department students.

Core Member, Google Developer Student Clubs (GDSC)   July 2024 - Dec 2024

· Contributed to community projects, mentorship sessions, and collaborated on developer-focused workshops.

ACHIEVEMENTS & STRENGTHS

- Achieved Champion milestone in Google Cloud Arcade (2024).
- Strong problem-solving and analytical thinking skills with quick learning aptitude.
- Active contributor to open-source projects; comfortable working in teams and collaborating on code.