Vaibhavkumar Chaudhary

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EDUCATION

P P Savani University, Surat   2023 – 2027
Bachelor of Technology – Computer Science Engineering (AI & ML)
CGPA: 7.3 / 10

SKILLS

Languages: Python, R, SQL
Machine Learning: Scikit-learn, TensorFlow, Keras, NLP, OpenCV
Frameworks: FastAPI
Data Handling: Pandas, NumPy
Visualization: Matplotlib, Seaborn
Tools: GitHub, VS Code, Cursor, Windsurf, Trae, Warp , Antigravity, Jupyter Notebook , Google Colab
Concepts: Data Cleaning, EDA, Feature Engineering, Model Deployment

EXPERIENCE

Codec Technologies — Data Science Intern   Aug 2024 – Oct 2024

- Processed and cleaned industrial datasets to improve model training efficiency.
- Performed exploratory data analysis to identify patterns and trends for predictive modeling.
- Collaborated with mentors to document workflows and deploy machine learning solutions.

PROJECTS

KrishiMitra AI – Intelligent Crop Recommendation System

- Designed an AI-driven agricultural decision system recommending crops using soil, weather, and regional datasets.
- Integrated real-time weather APIs and soil analytics to generate yield, ROI, and risk predictions for farmers.
- Provided disease insights and seasonal crop planning through Streamlit-based analytics dashboards.

AI Career Intelligence & Skill Gap Analyzer

- Created a Python-based NLP system that analyzes resumes, matches them to job roles, and computes job readiness scores.
- Detects skill gaps and produces personalized learning roadmaps using lightweight NLP similarity matching.
- Structured a modular pipeline for resume parsing, skill extraction, role prediction, and recommendations.

GearGuard – Maintenance Management System

- Engineered a full-stack maintenance management platform to monitor equipment and manage service requests.
- Integrated dashboards, Kanban workflows, scheduling calendar, and automated maintenance tracking modules.
- Delivered scalable REST APIs and responsive dashboards using Flask and React.

ECOFlow – Engineering Change Order & PLM System

- Built an enterprise Product Lifecycle Management platform supporting ECO workflows and version-controlled product data.
- Implemented multi-stage approval workflows and lifecycle enforcement for secure change control.
- Delivered secure full-stack architecture using React, Node.js, and MongoDB with role-based access control.

ACHIEVEMENTS

- Top 10 Finalist – Odoo × Adani University Hackathon 2026 among 530+ teams.
- Completed Data Science Internship working on real industrial datasets.
- Completed online certifications in programming and data science.

Portfolio