Dev Vashist

GitHub: github.com/decode2211 | LinkedIn: linkedin.com/in/dev-vashist | Email: devvashist1117@gmail.com | Phone: +91 9810248310

SUMMARY

Machine Learning–focused B.Tech student in Electronics and Communication Engineering with hands-on experience in data analysis, predictive modeling, and end-to-end ML system development using Python. Fluent in building frontend and full-stack web applications, with experience creating multiple websites and data-driven interfaces using modern web technologies. Experienced in designing APIs, building data preprocessing pipelines, and communicating analytical insights clearly to diverse audiences.

WORK EXPERIENCE

Machine Learning Intern — Mind Mauji Pvt. Ltd.　　　　　　　　　　　　Jun 2025 – Aug 2025

– Built a Resume vs Job Description matching system using NLP and machine learning techniques, processing over 500 resumes across multiple job roles.
– Implemented predictive models for candidate–job fit scoring, reducing manual resume screening effort by approximately 40%.
– Architected reusable data cleaning and preprocessing pipelines using Python, Pandas, and NumPy.
– Implemented a Streamlit-based web application integrated with MySQL for structured reporting and real-time insights.
– Translated business requirements into analytical solutions through close collaboration with recruiters and engineers.
– Evaluated model performance and presented results clearly to technical and non-technical stakeholders.

PROJECTS

Movie Recommendation System (Python, Machine Learning)

– Implemented a content-based recommendation engine using TF-IDF and cosine similarity.
– Applied feature engineering techniques to improve recommendation relevance.
– Generated explainable top-N recommendations with interpretable similarity scores.

Potential Fishing Zone (PFZ) Prediction API (FastAPI, ML)

– Constructed a FastAPI-based backend to serve real-time ML predictions using satellite and oceanographic data.
– Structured modular API routes with CORS-enabled frontend integration.
– Optimized model deployment for scalability and API performance.

Biodiversity Zones & Mixed Layer Depth Analysis (Data Analysis)

– Cleaned and analyzed large-scale oceanographic datasets to study biodiversity patterns.
– Applied statistical analysis techniques to identify trends and mixed layer depth variations.
– Created interactive web-based visualizations using HTML, CSS, and JavaScript.

Financial Tracker for Teenagers (Node.js, Web Application)

– Created a web-based application to track income, expenses, and savings.
– Implemented real-time dashboards and client-side data handling mechanisms.
– Emphasized usability and structured financial insights.

Reasoning Trace Generator for AI Tasks (Python, NLP) — In Progress
– Building a proof-of-concept framework to capture step-by-step reasoning and decision-making in AI systems.
– Designed human-readable reasoning traces to improve transparency and evaluation.
– Demonstrated the framework using a resume–job matching use case.

EDUCATION

2023 – 2027	B.Tech in Electronics and Communication Engineering at **SRM University, Andhra Pradesh**	(CGPA: 9.3/10)
2022	Class XII, MVN Sector 17, Faridabad	(92%)
2020	Class X, Apeejay School, Faridabad	(93%)

SKILLS

Technical Skills

- Programming Languages: C, C++, Java, Python
- Machine Learning, NLP
- Scikit-learn, Pandas, NumPy
- FastAPI, Streamlit
- MySQL, Data Preprocessing
- Git, Version Control

Soft Skills

- Communication
- Problem Solving
- Analytical Thinking
- Team Collaboration
- Time Management