VED M PAWAR

+91-7829438056 vedpawar1410@gmail.com VedLinkedIn VedPawar1410

Aspiring Software Engineer — Full Stack, ML, Data-Analytics, Cloud

Education

Vellore Institute of Technology ,Vellore **September 2021- Present**
B.Tech in Computer Science and Engineering *CGPA: 8.69/10.0*

Bangalore International Academy, Bangalore **2021**
Class XII (CBSE) *Percentage: 90*

Technical Skills

- **Languages: Python**, **Java**, **C++**, **JavaScript**, SQL
- **Fundamentals: Data Structures**, **Algorithms**, **System Design**, Object-Oriented Design (OOD)
- **AI/ML Data: Machine Learning (ML)**, **Data Platforms**, **Hadoop**, **Cassandra**, GenAI, Data Analysis
- **Tools Platforms: Git**, **GitHub**, **GitHub Co-pilot**, Docker, **Agile** Methodologies, REST APIs, **GCP**

Experience

Google Cloud Computing Internship | **September 2023 – December 2023**
Cloud Engineer Intern *Remote*

- Leveraged **Google Cloud Platform (GCP)** to design and implement **scalable software systems** and **cloud infrastructure** solutions.
- Practiced **Agile** product development workflows, collaborating with teams to deploy GCP services aligned with user business requirements.

General Motors Internship | **August 2023 – November 2023**
Machine Learning Intern *Bangalore*

∗ Developed **Machine Learning** models to run **AI/ML integrations** for device data, automating data quality reporting for stakeholders.
∗ Collaborated with data and infrastructure teams to clean and optimize analytics pipelines and **data platforms** across multiple manufacturing sites.

Projects

Calculator Web Application | | **September'2025**

· Developed a fully functional calculator web app using HTML, CSS, and JavaScript, featuring a responsive modern UI with real-time display updates and error handling (e.g., divide by zero).
· Implemented core arithmetic operations with reusable functions, leveraging DOM manipulation, event-driven programming, and flexbox layouts to deliver an efficient and user-friendly design.

AI based Autonomous Surveillance System using Deep Learning **January'2025**

· Developed and deployed an AI-powered surveillance system integrating YOLOv8, Faster R-CNN, and a custom I3D two-stream model for real-time object detection and anomaly detection in video streams.
· Achieved 84.45 percent AUC for anomaly detection on the UCF-Crime dataset, outperforming established baselines and demonstrating robust performance in complex surveillance scenarios.

Anomaly Detection and Correction in Wearable Sensor Data using Machine Learning **August'2024**

· Designed a robust anomaly detection system for the PAMAP2 dataset using Random Forest models, focusing on wearable sensor data.
· Integrated visualization tools to highlight anomalies and ensure sensor data accuracy for activity and environmental monitoring applications.
· Built a Random Forest-based anomaly detection pipeline optimized for real-time inference. Preprocessed and modeled 10k+ data rows with $O(n \log n)$ preprocessing steps for efficiency.

Sentiment Analysis of Online Reviews | **July'2024**

· Developed a sentiment analysis web application using Python, Flask, and machine learning, with a frontend built using HTML, CSS, and JavaScript.
· Built a RESTful backend with Flask to serve a sentiment prediction model, enabling real-time API-based sentiment classification.
· Integrated a logistic regression model for prediction, with a user-friendly interface built using HTML, CSS, and JS.

Certifications

Google Cloud Digital Leader Issued by Google *View Certification*
Neural Networks and Deep Learning Issued by Coursera *View Certification*
AWS Cloud Practitioner Essentials Issued by AWS *View Certification*