G Adithya Prasad

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LinkedIn — GitHub — LeetCode

Professional Summary

As a final-year Computer Science student at Vellore Institute of Technology, I am highly enthusiastic about building reliable and scalable systems. I possess strong expertise in data structures, algorithms, and programming, along with a solid foundation in operating systems, databases, and networking concepts. Skilled in Python, SQL, and cloud technologies, I have a keen interest in site reliability engineering, automation, and system monitoring.

Education

Vellore Institute of Technology (VIT), Chennai — *2022 – Present*
Bachelor of Technology in Computer Science and Engineering — CGPA: 8.94/10
Relevant Coursework: Data Structures, Algorithms, Machine Learning, Databases, Operating Systems

Dayananda Anglo Vedic (DAV) School, Adambakkam — *Class 12 – 2022*
Central Board of Secondary Education (CBSE) — Percentage: 88%

Dayananda Anglo Vedic (DAV) School, Adambakkam — *Class 10 – 2020*
Central Board of Secondary Education (CBSE) — Percentage: 95%

Technical & Business Skills

Programming Languages: C, C++, Java, Python, SQL
Machine Learning: Machine Learning, Deep Learning (Model Building, NLP)
Web & Frontend Development: ReactJS, HTML, CSS, JavaScript, Tailwind CSS
Developer Tools: Git, GitHub, VS Code, IntelliJ IDEA
Databases & Cloud: MySQL, AWS, Cloud Computing
Professional Skills: Problem Solving, Teamwork, Communication
Languages Known: English, Tamil, Hindi

Experience

Springboard Internship – Machine Learning Intern — *Sep 2024 – Jan 2025*
Obesity Level Prediction (Flask + XGBoost)
.Developed an ML-powered obesity prediction web app using XGBoost, with two classification models (4-level and 7-level), based on user lifestyle, demographic, and dietary features.
.Integrated the machine learning model into a user-friendly web interface using Flask, enabling real-time health risk predictions, along with personalized diet and exercise plans.
.Engineered and processed 15+ input features including physical activity, water intake, screen time, and calorie monitoring to improve prediction accuracy and user engagement.

Projects

Enhanced Home Automation and Fire Detection — *Jan 2024 – Mar 2024*
Developed an integrated smart home automation system with remote control features using IoT technologies, and implemented an intelligent fire detection mechanism that automatically activates a water motor for immediate suppression.

Sentiment Analysis on Airline Passenger Reviews — *Apr 2024 – Jun 2024*
Developed an NLP-based sentiment classification model using the BERT neural network to predict customer sentiment from flight review data. Performed text preprocessing, tokenization, and fine-tuning of BERT for accurate sentiment detection. Evaluated model performance using Confusion Matrix, Correlation Matrix, and other classification metrics, achieving high prediction accuracy of 95 percent.

Leadership & Extracurricular

- Microsoft Innovation Club(MIC) - Machine Learning Lead - (2023-2024)
- Artificial Intelligence Club(AIC) - Technical Lead Conducted a Hackathon (Hack The Horizon) .