+91 9948663677 | Hyderabad, Telangana, 500082 | vadlavivek1304@gmail.com | linkedin.com/in/vadla-vivek-v13

Objective

Enthusiastic and results-driven Computer Science undergraduate (CSE - AI & ML) with hands-on experience in full-stack web development, artificial intelligence, and machine learning. Skilled in building scalable applications, fine-tuning NLP models, and collaborating in agile environments. Seeking an entry-level software engineering or AI/ML role to apply technical expertise and contribute to innovative projects.

Skills

- Programming Languages: Python, SQL, HTML, CSS, JavaScript.
- Frameworks: Node, React, BERT, Git/GitHub.
- **Soft Skills:** Leadership, Logical-Thinking, Collaboration.
- **Soft Skills:** Leadership, Logical-Thinking, Collaboration.
- Languages known: English, Telugu, Hindi.

Work Experience

Research Intern – Defence Research and Development Laboratory (DRDL)

Duration: 6 months

- Conducted research on Large Language Models (LLMs) for secure communication applications.
- Implemented **Transformer-based architectures (BERT, GPT variants)** to enhance text classification and generation accuracy.
- Fine-tuned and optimized Natural Language Processing (NLP) models, improving text generation reliability by 15%.
- Contributed to research documentation and presented findings to senior scientists, supporting ongoing defense AI projects.

Projects

Web Development Projects

- NxtTrendz (E-Commerce App): Built a scalable shopping application using React.js, implementing features like authentication, product filtering, and cart management.
- **Jobby App:** Designed a job search platform that matches candidates with jobs based on skills and requirements, improving filtering efficiency through dynamic search and state management in React.
- Todo Application: Created a task management app with CRUD operations, user-friendly UI, and persistent storage using localStorage/DB integration.

AI&ML Projects

- **Spam Detection in Text:** Developed a text classification model using Python, NLP, and Scikit-learn, achieving 90% accuracy in detecting spam emails/messages.
- **Text Summarization:** Implemented extractive and abstractive summarization techniques using BERT and PyTorch, achieving ROUGE-L score of 0.87 for accurate extractive and abstractive summaries.
- Blood Group Prediction using Fingerprints: Applied Machine Learning algorithms (KNN, SVM) on biometric datasets to predict blood groups and associated traits, using OpenCV with 89% classification accuracy.

Education

Malla Reddy University
September 2021 – May 2025

Bachelor of Technology - CSE(AIML) CGPA: 7.78

• Impulse Junior College June 2019 – May 2021

Intermediate CGPA: 8.23

• Silver Wings High School June 2018 – March 2019

SSC CGPA: 8.8

Achievements

- Certified in Python, DBMS, Web Development, NodeJS, and ReactJS Completed industry-recognized certifications demonstrating strong technical proficiency.
- Completed AICTE Virtual Internship in AIML (May 2023 JULY 2023).
- Cambridge English Empowerment Certification Awarded by Cambridge University for excellence in communication and English proficiency.