Deyyapu Bhargav

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EDUCATION

Nalla Malla Reddy Engineering College, **Bachelor of Technology in Computer Science and Engineering** Core subjects include Data Structures and Algorithms, Operating Systems, Database Management Systems, Computer Networks, Software Engineering, Object-Oriented Programming, Web Technologies, and Artificial Intelligence fundamentals. skills

Programming/Scripting Languages: C, Python, Java, JavaScript

Web Technologies: HTML, CSS, JavaScript, React, Node.js, REST APIs

Operating Systems: Linux, Windows, Mac OS

Databases: MySQL, PostgreSQL, MongoDB

Frameworks & Libraries: Django, Flask, Spring Boot, NumPy, Pandas, TensorFlow (basic), Scikit-learn

Development Tools: Git, GitHub, Docker, VS Code, Eclipse, Postman **Networking & Protocols:** TCP/IP, UDP, HTTP/HTTPS, FTP, DNS

Other Expertise: Full-Stack Development, Backend API Development, System Design Basics, Cloud Fundamentals (AWS/GCP basics), DevOps fundamentals, Linux Shell Scripting, Software Testing, Debugging, Performance Optimization, Version Control, Agile/Scrum Methodologies, Secure Coding Practices

PROJECTS

LLM-Based Chatbot System
- Developed an LLM-based conversational chatbot with context-aware response generation and prompt optimization.
- Implemented backend pipelines for query handling, conversation memory, and response validation.
- Evaluated system performance based on response accuracy, latency, and user interaction quality.

SLM-Based Domain-Specific Chatbot
- Built a lightweight SLM-based chatbot optimized for domain-specific question answering.
- Curated and fine-tuned custom datasets to improve inference speed and domain relevance.
- Achieved reduced resource usage and faster response times compared to LLM-based solutions.

AI Resume Analyzer and Job Matching System
- Designed an AI-powered resume analyzer using NLP to extract skills, experience, and keywords from resumes.
- Implemented resume–job description matching with similarity scoring for role alignment.
- Generated automated feedback to improve resume quality and job relevance.

AI-Powered Online Shopping Web Platform □
- Developed an AI-driven e-commerce web application.
- Implemented smart search and product recommendations.
- Ensured responsive UI and secure system integration.

Offline Voice-Controlled AI Assistant
- Built a fully offline voice-based AI assistant.
- Implemented speech recognition and command automation.
- Optimized for fast, reliable laptop operations.