CHINDIRI CHAKRI

Srikakulam, Andhra Pradesh

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EDUCATION

Vellore Institute of Technology, Bhopal   **2022 – 2026**
*B.Tech - Computer Science and Engineering - **CGPA - 8.46***   *Bhopal, India*

PROJECTS

Shop Smart – Product Recommender ⧉ | Python, Flask, SQLite, Hugging Face   **October 2025**
- Developed hybrid recommendation system with LLM-generated explanations using DistilGPT2, achieving 87.3% accuracy and enhancing user trust through transparent AI-driven insights.
- Established a full-stack Flask application with Bootstrap 5 frontend, implementing secure authentication, RESTful APIs, and responsive design with less than 200ms response times.
- Architected ML pipeline using Pandas and Scikit-learn for content-based product similarity, enabling real-time recommendations.

Green Cycle Hub– E-Commerce Platform ⧉ | Python, JavaScript, MySQL   **August 2025**
- Authored and launched a Django-based e-commerce platform for plastic waste exchange, and implemented a super coin rewards system that increased user engagement by 25%.
- Integrated third party Razorpay payment gateway via RESTful APIs ensuring secure transactions and seamless user experiences.
- Designed an intuitive admin dashboard for cross-functional management of products, users, and orders, utilizing MySQL for data handling and reducing operational overhead by 15% through optimized workflows.

Distress Detection ⧉ | Python, TensorFlow Lite, Librosa, Firebase, CNN   **March 2025**
- Implemented a background audio monitoring service using Android Studio and TensorFlow Lite for on-device inference, ensuring seamless operation without affecting device performance with 95.7% accuracy.
- Collected and processed a custom audio dataset of 5,000 samples, extracting Mel Frequency Cepstral Coefficients (MFCCs) to train and validate machine learning models.
- Engineered a multi-phase classification pipeline to filter and validate audio signals, minimizing false alarms for an effective emergency response system.

INTERNSHIP

Infosys Springboard ⧉   **August 2025 – October 2025**
Intern
- Spearheaded the AI Tutor project as the project lead, directing a team in the development of both front-end and back-end functionalities and ensuring all project milestones were met.
- Architected the data pipeline to process AI logic output (syllabus parsing via Python libraries), resulting in the structured storage of essential topic data for the application's core functionality which serves over 500 users.
- Built a full-stack learning platform using React.js and Node.js, engineering the user-facing interfaces and robust API infrastructure, which reduced content loading time by 40% and provided real-time progress tracking

TECHNICAL SKILLS

Languages: Python, C++, SQL
Tools: VS Code, Git
Additional: Machine Learning, MySQL, JavaScript, Pandas, NumPy, MERN, RESTful APIs.

EXTRACURRICULAR

Bit By Bit Club ⧉   **November 2023 – July 2025**
Social Media Team Lead   *VIT,Bhopal*
- Led Social Media Team taking responsibility for planning, executing team activities, and overseeing the successful completion of all team objectives.

Yophoria Innovation Challenge (AI Agent Engineer Track) ⧉   **October 2025**
Finalist
- Advanced to finals with a 3-member team developing an Autonomous AI Tutor Orchestrator using FastAPI and LangGraph, enabling intelligent multi-tool orchestration for educational systems by extracting parameters from conversational context.

CERTIFICATIONS

- MERN Full Stack - Ethnus
- Artificial Intelligence Primer Certification - Infosys Springboard