

CHINDIRI CHAKRI

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Linkedin

Github

Portfolio

EDUCATION

Vellore Institute of Technology, Bhopal

B.Tech - Computer Science and Engineering - CGPA - 8.49

2022 – 2026

Bhopal, India

PROJECTS

Shop Smart – Product Recommender ↗ | Python, Flask, SQLite, Hugging Face October 2025

- Created 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, SQLite

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 SQLite 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 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.
- Devised 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 50 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, Deep Learning, Tensorflow, Pandas, Numpy, Spacy, LLMs.

EXTRACURRICULAR

Bit By Bit Club ↗

Nov 2023 – Jul 2025

Social Media Team Lead

VIT Bhopal

- Led the Social Media Team, managing strategy, execution, and coordination for club-wide digital initiatives.

Yophoria Innovation Challenge (AI Agent Engineer Track)

Oct 2025

Finalist

- Developed an Autonomous AI Tutor Orchestrator using FastAPI and LangGraph for multi-tool orchestration and context-driven parameter extraction.

TCS CodeVita Season 13 (Global Programming Competition)

2025

- Secured a global rank of 7465 in Round 1 and 6124 in Round 2 among participants worldwide.

CERTIFICATIONS

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