

CHAKRI THOTAKURA

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🌐 LinkedIn

🐙 GitHub

📁 Portfolio

Summary

Passionate and results-driven Computer Science undergraduate specializing in AI and Robotics. Skilled in full-stack development, AI/ML pipelines, and robotics simulations. Successfully led AI research internships and developed impactful tech solutions. Eager to apply advanced technologies to real-world challenges.

Education

Vellore Institute of Technology

B.Tech in Computer Science and Engineering (AI & Robotics); CGPA: 8.9

Sept 2022 – Present

Chennai, India

Tirumala Junior Kalasala

Intermediate (MPC); 83.6%

2020 – 2022

R. Tallavalasa, AP

Tirumala EM High School

SSC; GPA: 10.0

2019 – 2020

R. Tallavalasa, AP

Experience

Tech Lead Intern

Viswam.AI (joint initiative by Swecha & IITH)

May 2025 – July 2025

Hyderabad, Telengana

- Led development of AI pipelines using Python, Natural Language Processing (NLP), and Transformer architectures.
- Guided and participated in training and fine-tuning state-of-the-art AI models.
- Collaborated with peers to design community-centric AI solutions supporting linguistic diversity.

Azure AI-900 Intern – EtrainIndia

Chennai, India

June – Aug 2024

- Reduced customer query time by 30% using AI solutions.
- Improved ML model accuracy by 15% with optimized datasets.

MERN Full Stack Developer – Ethnus

Chennai, India

June – July 2024

- Developed scalable MongoDB-backed apps for 10K+ users.
- Enhanced UI/UX and performance by 20% via optimization.

Projects

Personal Portfolio Website | React, Tailwind

- Responsive site with Glassmorphism design deployed on GitHub Pages.
- Showcases projects, certifications, and contact details with interactive navigation and smooth animations.

June 2025

AI Chatbot | JavaScript, HTML, CSS

- Real-time chatbot with NLP-based intent recognition improving accuracy by 40%.
- Handled 500+ sessions with smooth UI and modular backend.

Apr 2025

E-Commerce Platform — MERN Stack

- Built full-featured platform with cart, authentication, admin dashboard, and payment gateway.
- Optimized MongoDB and UI for high performance and user retention.

Mar 2025

Delivery Drone Simulation — ROS, Gazebo

- Simulated autonomous drone missions with optimized path planning.
- Reduced mission time by 25% with improved control algorithms.

Feb 2025

Home Monitoring System — IoT, Sensors

- Built a system for real-time air quality/temp monitoring using microcontrollers.
- Used HTTP server for live updates and dashboard display.

Jul – Dec 2023

Technical Skills

Languages: Java, Python, C, C++, SQL, JavaScript, HTML/CSS, R

Frameworks & Libraries: React, Node.js, Express.js, Bootstrap, MongoDB, ROS

AI/ML Tools: TensorFlow, PyTorch, NumPy, Pandas, Open MPI

Tools: Git, VS Code, Jupyter, Anaconda, Eclipse, PyCharm

Concepts: REST APIs, Full Stack Dev, NLP, Robotics, IoT, Simulations