

TALLA VISHNU KRANTH REDDY

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Education

Indian Institute of Information Technology, Raichur (IIIT Raichur)

Nov. 2022 – Present

Bachelor of Technology (BTech) in Computer Science and Engineering

Raichur, Karnataka

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Systems Programming
- Software Methodology
- Database Management
- Internet Technology
- Computer Architecture

Technical Skills

Languages: Python, C, HTML/CSS, JavaScript, SQL

Developer Tools: VS Code, Android Studio, Tableau, Power-BI

Technologies/Frameworks: Linux, GitHub, Git, Excel, ChatGPT

Soft-skills: Leadership, Time Management, Teamwork, Communication, Problem solving

Projects

Movie Ticket Booking System | PHP, MySQL, HTML/CSS, JavaScript

March 2024

- Developed a web-based movie ticket booking platform with real-time seat availability and dynamic showtime filtering.
- Implemented user login/authentication, ticket confirmation via email, and a secure booking process.
- Enhanced user experience with responsive design and an intuitive UI to streamline the booking workflow.

Railway Track Crack Detection System | AE Sensors, LoRa, Arduino, IoT

November 2023

- Designed a real-time track monitoring system to detect cracks using Acoustic Emission (AE) sensors and LoRa for communication.
- Built an Arduino-powered prototype capable of detecting anomalies and sending alerts wirelessly.
- Documented the system's working, architecture, and results in a well-structured PDF report.

Image-Based Detection of Fruits and Vegetables Quality | YOLOv8, YOLOv5, Python, OpenCV

February 2025

- Developed an AI-based system for real-time classification of healthy and rotten produce using computer vision.
- Trained and deployed YOLOv5 and YOLOv8 models to detect and sort produce with high accuracy and speed.
- Contributed to an automated sorting pipeline aimed at reducing food waste and improving agricultural efficiency.

Experience

IIIT Raichur

Jan 2025 – Apr 2025

Teaching Assistant - HDL (Hardware Description Language)

Raichur, India

- Led weekly tutorials and guided peers on digital logic design concepts including FSMs, counters, and multiplexers.
- Assisted with evaluation of lab assignments and final project reviews for over 50 students.

IIIT Raichur

Jan 2025 – Apr 2025

Teaching Assistant - Digital System Design (DSD)

Raichur, India

- Conducted sessions on combinational and sequential circuit design using Verilog.
- Provided support during lab hours and helped students debug and optimize HDL code.

IIIT Raichur

Jan 2025 – Present

Event Management Head — Stage and Studio Club

Raichur, India

- Managed campus events, coordinated logistics with cross-functional teams, and led the planning and execution of cultural and technical activities.
- Oversaw budgets, scheduling, and communications to ensure smooth event operations.

Certifications / Technical Activities

AI for Everyone — Coursera

2024

Certificate by Andrew Ng

Online

- Learned the fundamentals of Artificial Intelligence and its applications across industries.

Python for Data Science — NPTEL

2023

Elite Certificate

Online

- Mastered Python programming for data analytics, visualization, and machine learning tasks.

IIIT Raichur Hackathon

2023

Participant

Raichur, India

- Built a prototype for smart agriculture monitoring using IoT and AI integration.