

Kollepalli Rishith

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EDUCATION

Amrita Vishwa Vidyapeetham -Coimbatore, Tamil Nadu
Bachelors of Technology - Computer Science and Engineering
Cgpa : 8.41

Oct 2021 - May 2025

FIITJEE-Visakhapatnam, Andhra Pradesh
Math, Physics, Chemistry
Percentage : 94%

Jun 2019 - May 2021

SKILLS

- **Programming Languages:** Python ,C++, Java, Kotlin ,SQL.
- **Database:** MySQL
- **Web Development:** HTML, CSS.
- **Embedded systems :** Esp32, Arduino uno, Stm32

PROJECTS

Trie-Based Auto Suggest/Correct Project

- Developed an extensible text-processing feature using a Trie-based algorithm for efficient auto-suggestion and correction.
- Designed a graphical user interface using Pygame for interactive input visualization.

Exercise Pose Estimation using Deep Learning

- Implemented and compared CNN, VGG16, and MobileNet models for pose detection, focusing on model reliability and maintainability.
- Developed a real Exercise reps counter by integrating MediaPipe with user friendly interfaces, enabling interactive control and visualization.

PiSave: Finance Tracker Android Application

- Expense Tracking and Categorization: Automatically extracts spending data from SMS using regex, supports manual entry, and allows users to categorize expenses for detailed tracking.
- Delivered data-driven insights via graphical visualizations, enhancing the usability and value of the app..

ESP 32 BASED PORTABLE WEATHER STATION

- Designed a portable weather station using MQ-135, DHT-11, and BMP280 sensors for real-time data capture and cloud communication via MQTT.
- Focused on edge preprocessing to ensure efficient system performance.

Crime records management system

- Developed a php based website for crime records management
- Implemented validation checks and data encryption, enhancing data security.

ORGANISATIONS

Intel IOT CLUB
ELITE CLUB

ACHIVEMENTS

Co-authored a Paper Titled "An Experimental Study on Detecting and Mitigating Vulnerabilities in Web Application" in International Journal of safety and security engineering (IJSSE).

ADDITIONAL

Course Certifications:

- Android Development with Kotlin- Badges offered by google
- Introduction to Android Mobile Application Development - Coursera

Volunteer Work:

- Coordinated volunteer efforts for C20 India 2023 gender equality campaign, organizing a human C20 logo formation event in Coimbatore campus.
- Volunteered for Seva activities conducted by the campus and out campus.