Rayan Mohammed

PERSONAL DETAILS

Birth	May 21st, 2004
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ABOUT ME

Computer Science student at VIT AP University with a passion for solving complex problems through technology. Always eager to learn new skills, adapt to challenges, and explore innovative solutions. Strong foundation in computer science principles, with hands-on experience in AI, web development, and embedded systems. A proactive and detail-oriented team player, committed to continuous growth and making a meaningful impact.

EDUCATION

Vellore Institute of Technology Andhra Pradesh (VIT-AP)　　July 2022 – July 2026

B.Tech in Computer Science Engineering

FAIPS-DPS, Kuwait　　2006 – 2022

Higher Secondary Secondary Education

EXPERIENCE

Intern — CVS Info Solutions, Infopark　　July 2024

- Developed and optimized customer admin interfaces using Django and MySQL for seamless data management.
- Worked on backend development, improving website performance.
- Assisted in testing and debugging web applications.
- Created PowerPoint presentations for a colleague.

SKILLS

Programming Languages	Python, Java, JavaScript
Web Development	HTML, CSS, JavaScript
Mobile Development	Flutter, Dart
Back-end and Databases	Django, MySQL
AI/ML and Data Science	TensorFlow, OpenCV, Pandas, YOLOv5

Image Processing and Object Detection

PROJECTS

VayoAura – Redefining Travel Experiences
- Founded in 2024, a Bangkok-based B2B travel company.
- Specializes in immersive, tailor-made experiences across Thailand.

VSync – Smart College Companion App
- A smart college companion app that manages schedules and tracks GPA.
- Features include a smart scheduler, assignment tracker, and study group connections.

GlamAR – AI-Powered Stylist Web App
- An AI-powered stylist app for personalized fashion recommendations.
- Analyzes facial tone, height, and body type for better clothing suggestions.

Gesture-Controlled Drone
- Built using Raspberry Pi, MPU6050, and OpenCV for hand gesture recognition.
- Designed for security surveillance and filmmaking applications.

Retail Sales Prediction Using Machine Learning
- Developed ML models using Linear Regression, Decision Trees, and Random Forests.
- Achieved highest accuracy with Random Forest algorithm.

Aquatic Pollution Mitigation Robot
- Developed an autonomous, solar-powered robot for water pollution mitigation.
- Designed to navigate water bodies, detect pollution, collect debris, and remove oil spills.
- Utilized Raspberry Pi 4/ESP32, ultrasonic and infrared sensors, and a conveyor mechanism.
- Focused on sustainability and automation for efficient environmental cleanup.

CERTIFICATIONS

- **AWS Academy Cloud Architecting** (Completed 2024)

- **AWS Academy Cloud Foundations** (Completed 2024)

- **CouchDB Distributed Database System** (Completed July 2024)