LAXMI NARASIMHA TALLURI

Aspiring ECE Engineer with a focus on AI/ML and Embedded Systems

+91-7893229688 Hyderabad, India narasimhachowdary501@gmail.com LinkedIn GitHub

ABOUT ME

A detail-oriented Electronics Engineering student from KL University with a strong foundation in software development and core electronics. Proven ability to build and deploy practical solutions, demonstrated through projects like a machine learning-based sales prediction model and an ESP32-powered automatic door lock. Eager to leverage skills in Python , C , and AI/ML in an internship or entry-level role.

EDUCATION

B.TECH, ECE - KL UNIVERSITY
CGPA - 9.0
2022 - 2026

12TH - SRI CHAITANYA JUNIOR COLLEGE
Percentage - 91.4 %
2021

10TH - CITY CENTRAL SCHOOL
CGPA - 9.3
2018

SKILLS

Technical Skills :

- C
- Python
- Java
- MatLab
- Web Development (HTML, CSS & JS)
- Microsoft Office

Soft Skills :

- Problem-Solving
- Teamwork & Collaboration
- Continuous Learning
- Leadership

PROJECTS

Video Game Sales Prediction

Developed a machine learning model to forecast video game sales by analyzing historical data on genre, platform, and critic reviews. Implemented a Random Forest Regressor model using **Python, Pandas,** and **Scikit-learn**, achieving an 85% prediction accuracy on the test dataset. Engineered new features to improve model performance.

Accident Detection and Alert System

Designed and built an IoT-based system to automatically detect vehicle accidents and send alerts. Utilized an accelerometer to detect sudden impacts and a GPS module to track location with an ESP32 microcontroller. Programmed the device in **C++** to automatically send an SMS alert with location coordinates to emergency contacts via a GSM module.

Student Portal Management System

Developed a full-stack web application to manage student information and academic tasks. Built the front-end using **HTML, CSS,** and **JavaScript** for a responsive user interface. Engineered the back-end using **Node.js** and managed data with a **MySQL** database, implementing features like user authentication and grade management.

Automatic Door Locking System using ESP32

Engineered an automatic door locking system using an ESP32 microcontroller for enhanced security. Implemented an RFID-based authentication system, programming the ESP32 in the **Arduino IDE** to activate a solenoid lock upon successful tag scan. The system successfully authenticated and logged entry access with over 99% reliability.

EXTRA-CURRICULAR ACTIVITIES

- Vice President, Student Council
- Member, NSS
- Captain, Cricket Team - KLU
- Volunteer, Street Cause - KLU

ACHIEVEMENTS

- Published a research paper in SmartCom International Conference 2025
- Attended a workshop on Signal Processing in DA-IICT
- Achieved AWS Cloud Practitioner Certification
- Certified Advanced Automation professional
- VLSI–Design And Verification by Taras System and Solution

CERTIFICATIONS

- AWS Certified Cloud Practitioner