

YERRA VAMSI MARKANDEYA

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PROFESSIONAL SUMMARY

Third-year B.Tech Electronics and Communication Engineering student at KLH University with hands-on experience in embedded systems, IoT, and web development. Skilled in building data-driven applications and microcontroller-based systems. Proficient in C, C++, Python, and Java with strong problem-solving and system design abilities.

EDUCATION

Bachelor of Technology KLH University, Bachupally CGPA: 8.8/10	Sep 2023 - Present
Intermediate Education Narayana Junior College Percentage: 88.9	Jun 2021 - May 2023
SSC (Class X) Triveni High School, Hyderabad CGPA: 10	Mar 2020 - Mar 2021

TECHNICAL SKILLS

Languages	C, C++, Python, Java
Web	HTML, CSS, SQL
Embedded Systems	8051, 8086, Arduino, STM32
Tools	Cadence Virtuoso
Core Areas	IoT, Analog Circuits, PCB Design

PROJECTS

Spider-Bot for Surveillance

Developed an IoT-enabled spider robot using Arduino Nano and servo motors with Bluetooth control and ESP32 camera for real-time monitoring.

Hand Gesture Controlled Car

Built a gesture-controlled robotic car using ESP32 and MPU6050 with Wi-Fi-based real-time speed and direction control.

Smart Locking System (8051)

Designed a password-protected locking system using 8051 microcontroller with keypad input, LCD display, and security alert mechanism.

ResuméLift — AI ATS Resume Analyzer

Developed an AI-based web app to evaluate resumes against ATS standards and provide improvement suggestions.

SixthStump — IPL 2026 Win Predictor & Dashboard

Built a responsive IPL analytics web app using HTML, CSS, and Vanilla JavaScript with a custom win prediction engine and interactive dashboards.

Event Ticket Purchase Prediction (ML)

Developed a machine learning model to predict ticket purchase likelihood using user and event data.

Movie Hit/Flop Prediction (ML)

Built ML models using Python with feature engineering, SMOTE, Random Forest, and XGBoost for prediction.

CERTIFICATIONS

- AWS Cloud Practitioner — Amazon Web Services
- Advanced Automation Professional — Automation AnyWhere
- Embedded Systems and IoT Programming — Taras Systems
- Python Essentials — Cisco

POSITIONS OF RESPONSIBILITY

Head, Film Making Club

Sep 2024 – May 2026

- Led planning and execution of short films and creative projects
- Managed team operations and organized events and workshops

Captain, College Cricket Team

- Led team in inter-college tournaments and training sessions
- Demonstrated leadership and strategic decision-making