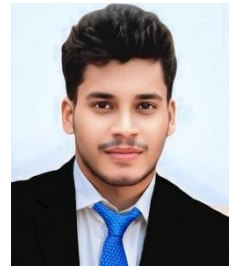


# UMA SHANKAR TIPPANA



DOB:15/01/2003

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🔗 [portfolio](#)

📍 Koti Complex, Ichchapuram, Srikakulam Dist - 532312

🌐 [Linkdin](#)

## PROFESSIONAL SUMMARY

**Final-year Electrical and Electronics Engineering student** with a strong foundation in industrial automation, PLC programming, and embedded systems. Experienced in full-stack web development and Power BI data visualization. Demonstrated leadership and teamwork skills as a Shift Lead intern in an industrial environment. Passionate about integrating AI and digital solutions into engineering applications and committed to continuous learning.

## EDUCATION

**B.Tech in Electrical and Electronics Engineering, KL University** 2023 – 2026  
CGPA: 8.84

**Diploma in EEE, Aitam College** 2019 – 2022  
CGPA: 8.7

**SSC, Swarna Bharathi High School** 2019  
CGPA: 8.8

## TECHNICAL SKILLS

### Languages

Python, C

### Web Development

HTML, CSS, JavaScript

### Automation

PLC (Siemens, Allen-Bradley), MATLAB, Embedded Systems and Autodesk Fusion 360

### Tools

Power BI, VS Code, GitHub

## INTENSHPIS

**Amara raja batteries limited, Assistant Engineer Trainee**

09/2022 – 05/2023

### Roles and Responsibility :

- Maintained daily maintenance checklists and recorded major equipment issues.
- Conducted preventive and breakdown maintenance inspections to ensure machine reliability.
- Identified and resolved production line issues, collaborating with cross-functional teams.
- Supported Six Sigma and CIP projects to drive process optimization and efficiency.
- Provided technical solutions using minimization techniques to reduce recurring faults.

Chittor, Andhra Pradesh

**Rashtriya Ispat Nigam Limited, Industrial Trainee**

09/2021 – 02/2022

### Roles and Responsibility:

- Conducted regular inspections to identify issues such as overheating and electrical faults
- Performed preventive maintenance to improve motor efficiency and extend equipment lifespan
- Repaired motor components including bearings and windings

Visakapatnam,  
Andhra Pradesh

PROJECTS

PLC-Based Bulb Automation,

Tools Used: [ISPSoft](#), [DOPSoft](#), [ComMgr](#), [HWConfig](#) Controller: [Delta PLC HMI: Delta DOP series](#) 

- Designed and implemented a ladder logic program for bulb ON/OFF control using Delta PLC in ISPSoft.
- Developed an interactive HMI interface in DOPSoft to enable user-friendly bulb operation and real-time status monitoring.
- Configured communication protocols using ComMgr to establish reliable data exchange between PLC and HMI.
- Utilized HWConfig for hardware setup, including I/O mapping and addressing configuration.
- Conducted successful simulation and field testing to ensure robust operation of the system.

Water Quality Montoring System,

Tools Used: [Arduino IDE](#), [ThingSpeak](#) / [Blynk](#) / [Firebase](#) Controller: [Arduino Uno](#) 

- Designed and programmed the system using Arduino IDE for real-time turbidity data collection.
- Integrated turbidity sensor with Arduino Uno to measure water clarity and detect impurities.
- Connected the system to IoT platforms (e.g., ThingSpeak, Blynk) using ESP8266/ESP32 for live remote monitoring.
- Enabled both analog and digital outputs, with adjustable threshold via onboard potentiometer.
- Conducted testing in controlled environments to validate sensor accuracy and data reliability.

Fest Website ,

Tools Used: [HTML](#), [CSS](#), [JavaScript](#) Platform: [Visual Studio Code](#), [GitHub Pages](#) 

- Designed a multi-page website using HTML, CSS, and JavaScript, highlighting event features, guidelines, and registration forms.
- Created an interactive UI with mobile responsiveness and dynamic event sections (e.g., hover effects, scroll animations).

CERTIFICATIONS

- |  |   |   |
|--|---|---|
| • Autodesk - Fusion 360 Design  | • Embedded System & IoT  | • Salesforce Certified Ai Associate  |
|--|---|---|

LANGUAGES

- |          |            |           |
|----------|------------|-----------|
| • Telugu | • Hindi    | • English |
| • Oriya  | • Japanese |           |

ACADEMIC / TECHNICAL ACHEIVEMENTS

- Participated as a **Website Core Spark Member** in the Department Technical Fest Spark - 2024
- Served as a **Protocol Core Team Member** in the Technical Fest *Surabhi-2024*
- Participated as a **Cultural Coordinator** in the National-Level Technical Fest *Samyak - 2023*
- Awarded **Second Place – Good Trainee** at *Amara Raja Battery Limited-2023*

STRENGTHS AND WEAKNESS

Self-motivated, time management, self-confidence, good communication skills, quick learning of new technologies, adaptability, teamwork, friendliness, problem-solving, and critical thinking.

Deceleration

I hereby declare that the details furnished in this resume are true and correct to the best of my knowledge. I take full responsibility for the authenticity of the information provided.

Date:

Place: