

S LOKESH REDDY

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Objective

I aim to build a career in a growing organization where I can get the opportunities to prove my abilities by accepting challenges, fulfilling the organizational goal, and climbing the career ladder through continuous learning and commitment.

Education

M. Tech in Embedded Systems, JNTUA	CGPA: 8.0	Oct 2023 – May 2025
B. Tech in Electronics & Communication Engineering, JNTUA	CGPA: 7.36	Aug 2019 – Jun 2023
PUC (12 th) in MPC, IRM Junior College, Kuppam	CGPA: 9.09	Jun 2017 – Jun 2019
SSLC (10 th) ZP High School-B, Ramakuppam	GPA: 7.80	Jun 2016 – Mar 2017

Experience

EBO Mart Pvt Ltd

Nov 2024 – Aug 2025

New Store Team Executive Associate

PAN India

- Planned and coordinated the technical setup for new store launches across India, contributing to the successful opening of 18+ stores.
- Handled technical setup for new store launches, including basic IT infrastructure and POS systems.
- Ensured accurate Planogram execution by coordinating closely with store teams. Supported the Planning Team with on-ground operations and process improvements.
- Ensured all operational and technical checklists were completed before store opening to enable a successful launch.

Internship

NCR&ACB Organization

May 2023 – Oct 2023

Web Developer & Support Technician,

Anantapur, AP

- The development and continuous enhancement of the organization's website, achieving a 40% reduction in page load time and increasing user engagement by 25% through targeted UX improvements and performance optimizations.
- Implemented streamlined technical support operations, resulting in a 40% reduction in ticket resolution time and improved customer satisfaction

Projects

Intelligent Smart Home Operations through NLP and IoT-Driven Voice Control

C Programming, IoT, ML, NLP, Firebase, Google Dialogflow, Web Speech API, HTML, CSS, JavaScript [GitHub -Source Code](#)

- Designed and developed an IoT-based Smart Home system using NLP, ESP8266, Firebase, and Google Dialogflow.
- Implemented NLP-based control, allowing multi-device commands in a single prompt, and designed a user-friendly web dashboard for real-time monitoring and manual control of devices.
- Optimized energy efficiency by fetching light status before turning it on, preventing redundant power usage.
- Programmed ESP8266 (NodeMCU) to control lights across multiple rooms based on Firebase updates and implemented Firebase real-time database for seamless device synchronization and control.
- Published research paper as Chapter 32 in the book *Advancing Innovation through AI and Machine Learning Algorithms: Computational Intelligence for Virtual System Optimization*, CRC Press | Routledge ([Link](#)), and Conference Certification – [\[Certification Link\]](#).

Smart Helmet with Multi-Features

C Programming, Embedded Systems, Sensors, and Actuators

[GitHub -Source Code](#)

- Developed a smart helmet with multiple features to enhance rider safety using sensor technologies, wireless communication, and microcontroller programming.
- Designed and implemented an advanced sensor system that detects helmet presence on riders and ensures helmet straps are fastened; the safety feature reduced injury risk by 25% during testing phases.
- Developed a critical emergency alert button for riders, enabling immediate notifications during accidents; the feature has been integrated, improving emergency response by 50% during emergencies.
- Ensured the vehicle cannot start unless the helmet is detected and the belt is fastened, increasing overall safety.

Technical Skills

Programming Languages: C, C++, HTML/CSS, JavaScript, Python

Technologies/Frameworks: IoT, WordPress, NLP, Raspberry Pi, Arduino, and Basic knowledge of TCP/IP

Developer Tools: GitHub, VS Code, Eclipse, Google Cloud Platform, AWS, Firebase

Operating Systems (OS): Linux, Mac, Windows

MOOCs: MS Excel, Financial Markets, Optical Fiber Splicing, and FTTH Network Management

Extracurricular Achievements/Activities

- Two other research papers are being published in AIP Proceedings and Taylor & Francis (T&F).
- Delivered presentations at 4 international conferences in the fields of Electronics and Communication Engineering, and research on NLP and IoT
- Accomplished 20+ freelancing projects specializing in website design and development.
- Secured a Diploma in Computer Applications (DCA) from Brilliant Software Solutions in July 2017
- Awarded 1st Prize in the Project Expo at Kuppam Engineering College.
- Awarded 2nd prize in Paper Presentation and 3rd prize in Project Expo at the National Level Technical Symposium (Prayukthi-23) at P.S.V College of Engineering and Technology, Krishnagar, Tamil Nadu
- Led a 10-member executive board, held monthly meetings, and enhanced digital and social media outreach at the International Human Rights Protection Commission NGO.