

CHILUKA RISHITH REDDY

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CAREER OBJECTIVE

Aspiring to build a career in core engineering by contributing to the development of **embedded, instrumentation, control, and electronic systems** that demand reliability, precision, and performance. With a foundation in **Electronics and Instrumentation Engineering**, strong understanding of **sensors, measurement systems, control engineering, electronics, embedded concepts, and industrial automation**, and a logical approach to problem-solving, I seek to contribute to product design, prototyping, testing, validation, and continuous improvement throughout the engineering product life cycle.

EDUCATION

B.Tech (Electronics & Instrumentation Engineering)

2023 – 2027

Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering & Technology
(Pursuing 7th sem)

CERTIFICATIONS

- Coursera Certification in Google Data Analytics.
- NPTEL Certification in The Joy of Computing with Python with Elite, 2025.
- Achieved Government-affiliated Web Development certificate via Internshala in partnership with NSDC (National Skill Development Corporation).
- Presented a research paper titled "Hybrid Statistical Physics- Informed Graph Neural Network (SP-GNN) for Robust Fault Detection and Uncertainty Quantification in Distributed Sensor Systems" at ICAMSTA-2025, Osmania University.

SKILLS

- **Programming languages** : C , Python.
- **Web Technologies** : HTML , CSS , JavaScript , React.js.
- **Backend & APIs** : Django , Django REST Framework (DRF) , JWT Authentication.
- **Databases** : PostgreSQL.
- **Embedded Systems & IoT** : Arduino.
- **Operating Systems** : Windows , Linux , macOS.

PROJECTS

EV Dashboard using Arduino, Streamlit, React.js & Django

Developed a EV monitoring system by integrating Arduino-based sensors with a web dashboard to monitor battery level, speed, temperature, and estimated driving range in real time. The project combines embedded hardware with a React.js and Streamlit frontend, supported by a Django REST Framework backend and PostgreSQL database to provide an interactive and scalable vehicle monitoring solution.

Taskera – Freelance Marketplace Platform using React.js, Django REST Framework

Developed a full-stack web application connecting **50+ freelancers** and **15+ clients** through project posting, proposal management, and secure user authentication. Implemented role-based access, project tracking, and responsive user interfaces using React.js, Django REST Framework, and PostgreSQL.

ACHIEVEMENTS

- Secured 1st Prize in the Patent Summit Competition conducted during the National Workshop on Patent Analytics and Filing Framework, VNRVJIET
- Participated in 24-Hour INNO-V ATHON 3.0 Hackathon organized by the Department of EIE, VNRVJIET, developing innovative hardware-software integrated solutions., VNR VJIET

STRENGTHS

Problem Solving Skills | Quick Learning | Leadership Skills | Creative Skills | Critical Thinking