

D SURYA PRAKASH REDDY

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CAREER OBJECTIVE

Motivated fresher seeking a challenging environment for skill development and personal growth. Eager to apply knowledge, intelligence and curiosity to drive continuous improvement and contribute to the organization's success.

EDUCATION

- University College Of Engineering, JNTUK** Kakinada, India
Bachelor of Technology - Electrical and Electronics Engineering; GPA: 7.4 February 2021 - Present
Courses: Data Structures, C, Python, Java, Database Management Systems, MATLAB, Machine Learning

SKILLS SUMMARY

- Languages:** Python, Java, C++
- Frameworks:** Nodejs, Nextjs, TailwindCSS
- Web Skills:** HTML, CSS, JavaScript, SQL, React, MongoDB
- Cloud:** Azure(Beginner)
- Technical Skills:** Git, DSA, Networking, OS, DBMS.

EXPERIENCE

- Trontech Labs Pvt Ltd** Kakinada
Student Intern January 2025 - Present
 - Developing and optimizing computer vision models for drone applications using deep learning (YOLO, Faster R-CNN).
 - Implementing real-time image processing for autonomous navigation and target detection.
 - Conducting testing, validation, and documentation for robust deployment.
- South Central Railways** Vijayawada
Student Intern April 2023 - June 2023
 - Designed :** Relay logic for track circuits, signals, and point operations based on railway operational requirements.
 - Diagnosed:** Faults in traction systems using tools like SCADA, thermal imaging, or motor testers.
 - Skills:** SCADA, Control Systems, Computer-based interlocking

PROJECTS

- Personal Portfolio Website using React and Next.js:** Built a responsive portfolio website using React and Next.js to share my projects, skills, and experience. Implemented interactive UI and deployed it for professional online presence. Used Tech : Javascript, React, Nodejs, Nextjs, TailwindCSS (January 25)
- Mini Alexa (AI based voice assistant):** This is a model which performs several actions based on voice input from User. Tech: Python(October '23)
- Blood Bank and Donor Management System:** Built a web-based application which enables individuals in search of blood to obtain information about blood donors in the city. Tech: Html, CSS, Javascript, Java, MySQL. (May 24)
- Earthquake Detection using Arduino:** An Arduino-based earthquake sensor using a MEMS accelerometer to detect vibrations, analyze seismic activity, and provide alerts for safety. Tech: Embedded Systems. (August 24)

ACHIEVEMENTS

- 5 Star Coder Rating in Hackerranker.
- Qualified for Second round of TATA Imagination Challenge 2024.
- Codechef Rating - 1238

CERTIFICATIONS

- Completed NPTEL Online Certifications in Cloud Computing, Machine Learning, Java
- Completed Smart Interviews Certifications in Data Structures and Algorithms.
- Got Certified in Hacker Rank for clearing the assessments for skill problem-solving and SQL
- Completed Python Programming at Udemy

EXTRA CURRICULAR ACTIVITIES

- Team Lead at ENCURSO Fest,JNTUK** Kakinada, India
Conducted online and offline technical & soft-skills training impacting over 50 students.
- Proficient in English,Telugu