

# SURYA PRAKASH REDDY DASARI

Palakollu, Andhra Pradesh

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## Technical Skills

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**Languages:** Python, Java, C++, HTML/CSS, JavaScript, SQL

**Cloud and Developer Tools:** Azure, VS Code, Git

**Technologies/Frameworks:** Linux, React, NodeJS, NextJS, TailwindCSS, GitHub

## Experience

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### Trontech Labs Pvt Ltd, Kakinada

January 2025 – Present

*Machine Learning Intern*

*Kakinada, India*

- Worked on developing and fine-tuning advanced computer vision models for drone technology, leveraging frameworks like YOLO and Faster R-CNN to enhance detection accuracy to 95%.
- Designed and implemented real-time image processing solutions, enabling faster autonomous navigation and precise target identification.
- Played a key role in testing, validating, and documenting models, streamlining deployment by 20%.

### South Central Railways, Vijayawada

April 2023 – June 2023

*Student Intern*

*Vijayawada, India*

- Created and implemented relay logic for critical railway systems, including track circuits, signals, and point operations, ensuring seamless functionality.
- Diagnosed and resolved faults in traction systems using advanced tools like SCADA, thermal imaging, and motor testers, reducing downtime significantly.
- Gained hands-on experience in control systems, SCADA, and computer-based interlocking, contributing to overall operational efficiency.

## Projects

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### Personal Portfolio Website | Javascript, React, Nodejs, Nextjs, TailwindCSS

January 2025

- Developed a sleek and responsive portfolio using React and Nextjs, ensuring smooth navigation across devices to impress visitors.
- Attracted over 100 visitors in the first week of its launch, reflecting strong engagement and visibility.
- Created as an interactive platform to showcase my projects, skills and experience, serving as a digital representation of my professional journey.

### Python based Voice assistant | Python

October 2024

- Built a terminal-based voice assistant capable of handling multiple user commands with an impressive 90% accuracy rate for reliable operations.
- Implemented command execution logic using Python, ensuring efficient processing and reducing latency by 30% during real-time use.
- Designed the application to support over different commands, emphasizing adaptability and seamless functionality across diverse tasks.

### Blood Bank Site | HTML, CSS, Javascript, TailwindCSS

June 2024

- Designed and developed a user-friendly web interface using HTML and CSS, enabling smooth navigation for over 50 users seeking or offering blood donations within the city.
- Ensured responsive design using TailwindCSS framework, achieving 100% compatibility across mobile, tablet, and desktop platforms for seamless accessibility.

## Certifications and Achievements

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- Completed NPTEL Online Certifications in Cloud Computing, Machine Learning, Java.
- Completed Smart Interviews Certifications in Data Structures and Algorithms.
- Qualified for Second round of TATA Imagination Challenge 2024 and Flipkart Grid 6.0, ranking among the top 10% of participants nationwide.
- Achieved 5-Star Coder Rating on HackerRank and maintained a CodeChef Rating of 1238 with consistent participation in competitive programming.

## Education

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### University College Of Engineering, JNTUK

Feb. 2021 – Apr 2025

*Bachelor of Technology - Electrical and Electronics Engineering;*

*Kakinada, Andhra Pradesh*