

YASWANTH DHARMAVARAPU

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SUMMARY

IT and Electronics undergraduate with a strong foundation in cloud platforms, embedded systems, and database concepts. Proven experience in real-world hardware-software integration, data analysis, and IT systems support. Eager to contribute to Qualcomm's innovation-driven projects, with practical exposure to troubleshooting, programming (Python, C, SQL), and project collaboration.

TECHNICAL SKILLS

- Programming: Python, C, SQL, HTML, CSS, JS, VHDL, Verilog
 - Frameworks/Libraries: Flask, Scikit-Learn, OpenCV, sqlite3, MediaPipe
 - Cloud & DevOps: Familiar with Google Cloud, basics of AWS and Azure; version control with Git/GitHub
 - Database: SQLite, MySQL basics
 - Tools: Jupyter Notebook, VS Code, Tableau
 - Embedded Systems: Arduino, Raspberry Pi
 - IT Concepts: Systems integration/troubleshooting, real-time data acquisition, basic network security
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EDUCATION

Bachelor of Technology, Electronics and Communication Engineering
Pragati Engineering College, Surampalem

2023 – 2026 (Expected) | CGPA: 8.4

Diploma, Electronics and Communication Engineering
Aditya Polytechnic College, Surampalem

2020 – 2023 | CGPA: 9.0

PROJECTS

Sign Language to Speech and Text Converter

- Built with OpenCV and MediaPipe for gesture recognition
- Developed real-time system integrating computer vision with text and speech conversion
- Involved direct troubleshooting of hardware/software integration issues

Line Follower Robot

- Designed using Arduino, IR sensors, and drivers; implemented robust feedback algorithms
- Experience with sensor interfacing, system debugging, and real-time data processing

Automation Project:

- Created an automatic blogging system using n8n, automating end-to-end web content deployment
- Built a workflow to generate SEO-friendly posts with images and auto-publish them to the blog.

LintAI – Code Quality Checker Web App

- Developed a full stack web application for code quality analysis as part of the Bolt Hackathon.
 - Utilized modern web technologies to build an intuitive interface that helps developers identify and improve code issues.
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WORK EXPERIENCE

Embedded System Developer Virtual

Microchip Technology Inc. (Jan 2025 – Mar 2025)

- Designed, simulated, and integrated microcontroller-based systems
- Hands-on experience in C programming, sensor/UART interfacing, troubleshooting circuit issues

AI/ML Virtual Intern

Google (AICTE) (Apr 2024 – Jun 2024)

- Built and deployed an image classifier using TensorFlow (85% accuracy)
 - Explored practical applications of cloud and AI/ML concepts
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CERTIFICATIONS

- Foundation of Cloud IoT Edge ML (Feb 2025)
 - Google Cloud Career Launchpad – Cloud Engineer Track (Aug 2024)
 - Zero Trust Certified Associate (ZTCA), Zscaler Academy (Nov 2024)
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ACHIEVEMENTS & LEADERSHIP

- Led 'Robot Arena' event at STRIDE 2k25; managed 30+ participants, demonstrating event and project management skills
 - 1st Prize, ROBO SPARK, Strides 2k24, for Line Follower Robot
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RELEVANT COURSEWORK & INTERESTS

- IT infrastructure basics, system integration, troubleshooting, project documentation
- Ongoing learning in AWS/Azure, enterprise IT tools, DevOps practices
- Strong communication and teamwork, driven by a passion for learning and innovation