

YOKITH SURYA M

40/A, Thirupathi Nagar, Karupangoudan Puthur(E), Thanthoni, Karur, Tamil Nadu.

+91 9384981422 | yokithsuryam@gmail.com | github.com/yoyoyokith2424 | linkedin.com/in/yokith-surya-m

Aspiring Electronics and Communication Engineer with hands-on experience in IoT and embedded systems. Passionate about developing innovative solutions for modern challenges in automation and electronics. Seeking opportunities to enhance technical expertise and contribute to innovative and impactful projects.

Education

KONGU ENGINEERING COLLEGE

Erode, India

Bachelor of Engineering in Electronics and Communication Engineering

Sep 2023 - May 2026

- **CGPA:** 7.77/10 (As of 5th Semester)
- **Core Subject Area:** Communication, Digital Signal Processing, Microprocessors and Microcontrollers, Control Systems, Analog and Digital Circuits, and VLSI.

KONGU HI TEK POLYTECHNIC COLLEGE

Karur, India

Diploma in Electrical and Electronic Engineering

May 2020- May 2023

- **CGPA:** 8.5/10
- **Core Subject Area:** Circuit Theory, EV Technology, Generation Transmission and Distribution.

Experience

EPIC MEDIA LABS

Mumbai, India

Content Writing and Publishing Intern

MAY 5TH 2022 - AUGUST 5TH 2022

Responsibilities:

- The internship had daily targets and assignments that needed to be finished in a timely manner.
- Throughout the internship, I had numerous meetings with other writers and editors to ensure that everything ran efficiently.
- I was also held accountable for making sure that all of my publications were up-to-date and free of plagiarism.

Internship Details:

- A Senior Content Writer and Manager oversaw my works and publications for the organization.
- The internship required me to stay innovative and relevant with upcoming projects and titles in order to attract more readers to the website.

Achievements and Results:

- The internship facilitated me with a broader understanding of content strategy.
- The scrutinized projects and works were published on the website, and reader feedback was analysed.
- **Technical Skills:** Microsoft Office, Google Docs, Google Meet, Slack, ClickUp, Paraphrasing Tools, SEO Optimization Tools and WordPress.
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills and Content Management Strategy.

Projects

PRECISION DELTA ARM FOR WEED REMOVAL IN TURMERIC FIELDS

Erode, India

KONGU ENGINEERING COLLEGE

Nov 2024 - Jan 2025

- Designed an automated weed control system using delta robots with three degrees of freedom for precise mechanical weeding and targeted herbicide (or) fertilizer application.
- Implemented image processing on a Raspberry Pi to obtain x, y, z coordinates, enabling precise weeding while reducing labor, herbicide use, and environmental impact while enhancing agricultural efficiency.
- **Technical Skills:** Raspberry Pi, Image Processing, Robot Control Algorithms, Camera Calibration & Perspective Transformation.

VOICE-CONTROLLED AUTONOMOUS ROBOT FOR REMOTE OPERATIONS

Erode, India

KONGU ENGINEERING COLLEGE

Sep 2024

- Developed a voice-controlled robot with autonomous navigation and obstacle detection in a 30-hour hackathon at Kongu Engineering College, by successfully integrating voice recognition and sensors to enhance user interaction and navigation capabilities.
- Integrated Google and Alexa for voice control, with micro-controller handling motor control and object detection, along with offline voice recognition module for seamless task execution without internet dependency.
- **Technical Skills:** Embedded C, IoT and Cloud Integration, Embedded Systems Design, Arduino.

Skills and Competencies

Certifications	Amazon Web Services Certified Cloud Practitioner [Valid until 2028]
Responsibilities	Executive member in ECE Association, NSS, and Rotaract.
Programming	HTML5, CSS3, Java, JavaScript, Embedded C, Python, Assembly language, Verilog HDL, and AppScript.
Miscellaneous	Linux, Proteus, AutoCAD, SolidWorks, Micro-controllers and Microprocessors, Microsoft Office, Git, and \LaTeX (Overleaf).
Soft Skills	Strategic Planner, Team Player, Learning Agility, Engaging Presentation, Critical-Thinking, and Meticulous.