

YASHVINTHAN MOORTHY

CONTACT

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EDUCATION

**Dr. MGR Educational and
Research Institute (Dr. MGRDU)
University**

2023 - 2027

Bachelor of Technology in

Computer Science and Engineering

AWARDS & CERTIFICATIONS

- 1st Place – Internal CTF (Capture the Flag), Coding Club, Dr. M.G.R. E&RI — Apr 2025
- AI: Beyond the Algorithm (2-Day Workshop), Dr. M.G.R. E&RI — May 2025
- Participated in AI awareness sessions, quizzes, and prompt-athon

SKILLS

- Languages: C, C++, Python, Java
- Web & Frameworks: HTML, CSS, JavaScript, React.js
- Databases: SQL, MySQL
- Tools: Git, VS Code
- OS & Virtualization: Windows, Linux, Proxmox

SUMMARY

B.Tech Computer Science student (4th semester) skilled in React.js, JavaScript, Python, and Java. Experienced in IoT projects and maintaining a personal home lab with Proxmox virtualization, OPNsense, and Cloudflare. Seeking internship opportunities to apply technical skills in real-world software development.

PROJECTS

Personal Portfolio Website

Developed a personal portfolio website to showcase my projects and skills using HTML, CSS, and JavaScript.

- Designed a responsive and user-friendly interface.
- Implemented a contact form with JavaScript validation.

AI Camera with ESP32-CAM & GPT-4o

- Built an AI-powered camera using ESP32-CAM to capture images and send them to a backend integrated with the GPT-4o Vision API.
- Enabled real-time image analysis with natural language explanations.
- Designed for low-cost, smart IoT use cases with optional text-to-speech and chatbot integration.

HOME LAB EXPERIENCE

- Set up a Proxmox virtualization environment to run multiple Linux and Windows servers for learning and testing.
- Experimented with network security using OPNsense firewall, VLANs, and VPN tunneling.
- Deployed self-hosted services (websites, databases, and development tools) accessible via custom domains with Cloudflare tunnels.
- Built workflows integrating IoT devices with local APIs and logging systems.
- Regularly troubleshoot hardware/software, practice system administration, and maintain backups.

EXTRACURRICULAR ACTIVITIES

- Member of the IEI Club at Dr. MGRDU University.
- Participated in coding competitions and hackathons.
- Volunteered for community service events organized by the university.