CONTACT

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Chennai, India

LinkedIn Profile

GitHub Profile

EDUCATION

B.E. Electronics & Comm.

Agni College of Technology

2022 – 2026 | CGPA: 8.67

Higher Secondary School

C D Nayagam T Nagar Hr Sec

HSC: 86.87% | SSLC: 79.6%

TECHNICAL SKILLS

Languages: C, Java, Python, JavaScript

AI/ML: OpenCV, Hugging Face

Robotics: Drone Building & Piloting

Hardware: Arduino, ESP32, MSP430, RPi

Tools: Git, GitHub, VS Code

Design: KiCad, Fusion 360

SOFT SKILLS

Teamwork & Collaboration
Adaptability & Quick Learner
Leadership & Initiative

MANOJ M

Final-year Electronics Engineering student with proven expertise in software development, hardware systems, and AI/ML. Passionate about building innovative solutions, demonstrated through top hackathon placements and diverse, hands-on projects.

PROJECTS

Rescue Drone
2024

Built a pilot-controlled drone with payload delivery for an international competition.

BuildbyManoj-chatbot | AIAssistantwithRAG
2025

Engineered a Flask-powered AI assistant with live web search to provide real-time, context-aware answers.

Fire Fighting Bot
2025

Developed a robot that autonomously detects and extinguishes fires for hazardous environments.

NutritionTracker | Full-StackWebApp
2025

Developed a MERN stack application for users to log and analyze daily nutritional habits.

BCI-basedCarGame | Brain-ComputerInterface
2025

Created a racing game controlled by live EEG brain signals via a Brain-Computer Interface.

EXPERIENCE

IOT Trainer Intern | Magic Menporul Software Solutions
May 2024

Designed and delivered an IoT & robotics curriculum to 40 students, leading hands-on technical labs and enhancing communication skills.

ACHIEVEMENTS

- **1st Place Winner:** Project Expo 2024 (College Level)
- **2nd Place Winner:** Drone Rescue Challenge, TechnoXian 2024
- **2nd Place Winner:** Texas Instruments MSP430 Mentored Hackathon 2024
- **3rd Place Winner:** Code Wars: The Rise of Automation (12-hour Hackathon)

LEADERSHIP & PROFESSIONAL DEVELOPMENT

- Coordinated 'Circuit Hunt' & organized 'Micro Mania' events for the college symposium (2024 & 2025).
- Participated in national-level competitions, including Flipkart GRID 6.0 & e-Yantra Robotics by IIT Bombay.
- Attended the IDE Bootcamp (Kerala, 2025) and visited the Crescent Innovation Council for startup & innovation insights.