Praneshwaran M

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ABOUT

Electronics Engineer turned passionate Software Engineer with expertise in circuit design and computer languages. Skilled in designing scalable systems by applying hardware-driven problem-solving to software challenges.Strong advocate for clean code, optimization, and cross-disciplinary innovation. Continuously learning and adapting to emerging technologies to deliver impactful software solutions and excited to grow in the tech industry.

EDUCATION

- **Madras Institute of Technology, Anna University** *Oct 2022 – July 2026*
  B.E. Electronics and Communication Engineering CGPA: 8.87 (up to 6th Semester)

EXPERIENCE

- **Web Designer – Strategy Fox** *June 2024 – July 2024*
  Internship Salem, Tamil Nadu
  - **Contribution:** Part of the design team, gained practical exposure to web design..
  - **Skills Gained:** Acquired knowledge in HTML, CSS.

PROJECTS

- **Agriculture Monitoring System using GSM Module** *Dec 2024*
  Python, GSM Module, Sensors
  - This system monitors soil moisture, temperature, and humidity using sensors to provide real-time data. It sends SMS alerts to farmers for timely actions to optimize crop growth and water usage.

- **Food Ordering Website** *Feb 2025*
  HTML, CSS, JavaScript, MySQL
  - A user-friendly platform that allows customers to browse, select, and order food items with ease. It showcases foundational web development skills through interactive design and seamless functionality.

- **Obstacle Avoidance Smart Robot** *Aug 2024*
  Embedded C, Arduino, Microcontroller
  - A smart robot equipped with sensors to detect and navigate around obstacles autonomously, ensuring efficient and collision-free movement and it uses real-time data processing and adaptive algorithms to adjust its path and avoid obstructions

- **Anti Passback System** *Jan 2024*
  C, Arduino, RFID
  - A security system using RFID technology to prevent unauthorized access by ensuring that a tag is not used for entry multiple times without exiting, thereby ensuring proper access control and enhanced security at entry points.

- **Product Recommendation System** *Jun 2024*
  Python, K-means clustering, ML algorithms
  - A machine learning-based recommendation system that uses K-means clustering to group users based on their preferences and suggest personalized products. It enhances user experience by delivering tailored suggestions, improving engagement and satisfaction

- **Ultrasonic Glass using Arduino** *Nov 2023*
  Embedded C, Arduino
  - Developed an ultrasonic-based smart glass using Arduino to assist visually impaired individuals in detecting nearby obstacles. The system alerts the user through vibration or sound feedback based on object proximity.

SKILLS

Technical Skills: Python, C, C++, MATLAB, SQL, HTML, CSS, ML algorithms,OOPS,Problem Solving,Software development,Global Environment.

Soft Skills: Leadership, Communication, Management, Critical Thinking, Teamwork,Collaboration,Focus.

CERTIFICATIONS

- Hackz'24 and Hackit'25 Anna University('24 and '25)
- Paper Presentation - CST National Conference (2024)
- Xyntra'25 NIT Karnataka (2025)
- Personality Development Association (Excellia Finalist)(2024)
- Personality Development Association - Persofest - Top 60,(2024)
- Leetcode and GFG - 100 days badges

EXTRACURRICULAR

Positions of Responsibility: NSS Volunteer, MIT Variety Team, TEDc MIT,Event organizer in Symposium.

Awards and Activities: Best Outgoing Student, State Level Silambam Champion, Maths Olympiad Gold.