







Mathav RAMALINGAM

Backend Developer | Aspiring Student

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CAREER OBJECTIVE

Passionate Computer Science and Engineering enthusiast specializing in Python development and backend technologies. Skilled in building scalable solutions, solving complex problems, and optimizing performance. Committed to continuous learning, innovation, and delivering high-quality software solutions

EXPERIENCE

Python Development Intern

Auro Tech Solutions (May 2024 - June 2024)

- Developed a Python-based QR Code Generator that allows users to generate QR codes from URLs or text.
- Built a console-based banking system with deposit, withdrawal, and transfer features.
- Created a feature-rich Timer application using Python and Tkinter.
- Gained hands-on experience in building scalable solutions and debugging Python applications.

PROJECTS

Dustless Vacuum Board Cleaner | 2023

- Developed a Rechargeable Dustless Vacuum Board Cleaner to eliminate chalk dust from blackboards.
- Optimized cleaning efficiency, noise reduction, and user experience through multiple prototypes.
- Ensured low noise operation, effective dust collection, and eco-friendliness.

Women Safety Analytics| 2024

- Designed a Real-time Women Safety Analytics System using machine learning and deep learning to detect harassment and unsafe situations.
- Integrated CCTV video surveillance with an SOS alert triggering system.

Personal Portfolio| 2025

- Built a responsive portfolio website using React.js, Tailwind CSS, and JavaScript.
- Showcased skills, projects, and contact information with an intuitive UI.

Recipe Finder | 2025

- Developed a Recipe Finder Web App that allows users to search for recipes based on ingredients.
- Implemented dynamic search, interactive UI, and efficient database management using MongoDB, React.js, and Node.js.

ACHIEVEMENTS

- Secured 3rd Place in **KEC Ideathon 2K23** (Project Presentation).
- Secured 2nd Place in **KEC Proof of Concept 2K23** (Project Presentation).
- Secured 1st Place in **IdeaFix 2K24** (Idea Presentation).
- Top 50 in the Smart India Hackathon (SIH) - Internal Hackathon 2024.

EDUCATION

Bachelor of Engineering (CSE) | Kongu Engineering College, Erode (2026)

CGPA: 7.40

Higher Secondary | Best Matric Higher Secondary School, Thanjavur (2022)

Percentage: 78.3%

Secondary Education | Best Matric Higher Secondary School, Thanjavur (2020)

Percentage: 73%

SKILLS

- Programming Languages:** Python, C, JavaScript
- Web Development:** HTML, CSS, React.js, Tailwind CSS
- Frameworks:** Django, Node.js, Express.js
- Databases:** MySQL, MongoDB
- Version Control & Tools:** Git, GitHub, Figma, Canva
- Soft Skills:** Collaboration, Leadership

AREA OF INTEREST

- Python Development
- Object Oriented Programming in Python
- Computer Networks

MEMBERSHIP

- Executive Member - Cloud User Group
- Volunteer - National Service Scheme

CERTIFICATION

- [MongoDB Associate Developer Certification](#)