UDHAYABOOPATHI V

Full Stack Developer | Problem Solver | Automation & Backend Integration | AI Solutions

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Portfolio: https://udhayaboopathi.me **| GitHub:** https://github.com/Udhayaboopathi |
LinkedIn: https://linkedin.com/in/udhayaboopathi

Professional Summary

Creative and analytical Full Stack Developer specializing in automation, backend integration, and intelligent system design. Highly proficient in leveraging AI-assisted development tools to accelerate research, optimize code, and streamline workflows. Passionate about crafting scalable, interactive web applications that merge innovation with precision. Experienced in deploying and maintaining cloud-based solutions with modern CI/CD pipelines.

Technical Skills

Frontend: React, Next.js, JavaScript, Tailwind CSS
Backend: FastAPI, Flask, Express.js, Node.js
Languages: Python, JavaScript, TypeScript, Java, Bash
Databases: MongoDB, PostgreSQL, MySQL
Cloud & DevOps: AWS EC2, Google Cloud, Azure Cloud
AI & Tools: OpenAI API, Gemini API, GitHub Copilot, VS Code, Postman
Concepts: Automation, API Integration, WebSockets, AI/ML APIs, NLP, CI/CD

Education

Master of Science in Computer Science | Periyar University, Salem (2024–2026, Pursuing)

Bachelor of Science in Computer Science | Govt. Arts & Science College, Mettur (2021–2024)

Projects

Smart Summarization & Q&A Assistant (React | FastAPI | MongoDB | NLP)
AI-assisted platform that generates concise study summaries and answers contextual questions using optimized text-processing workflows.

Discord Bot Automation (Python | discord.py)
Automated Discord bot for managing community operations, commands, and real-time API integrations.

Organic Food Recommendation System (FastAPI | HTML | JavaScript | NLP)
Recommendation engine suggesting healthier food alternatives through dataset-driven analysis.

CodeCrest.tech (React | Tailwind CSS)
Interactive personal portfolio featuring dynamic animations and responsive modern design.

Internship Experience

MERN Stack Intern — *Arttifai Tech* (15 Days)
Worked on building and optimizing web applications using the MERN stack (MongoDB, Express.js, React, Node.js).
Gained hands-on experience in full-stack development, API integration, and database management.

Digital Marketing Intern — *First Success Technology, Salem* (15 Days)
Learned and applied digital marketing strategies, including SEO, keyword research, and social media campaigns.
Enhanced understanding of online branding and data-driven marketing practices.

Certifications

Python Programming – GUVI (Google for Education Partner), Dec 2022
Verified ID: 5J38a57TpXn61206i7 |
https://www.guvi.in/certificate?id=5J38a57TpXn61206i7

Microsoft Office 365 Productivity Suite (Advanced) – Naan Mudhalvan & Microsoft, Mar 2023
https://www.naanmudhalvan.tn.gov.in

Leadership & Soft Skills

Student President, Department of Computer Science — Led departmental initiatives, organized academic and tech events, and promoted collaborative learning.

Soft Skills: Problem Solving, Team Collaboration, Time Management, Communication, Leadership, Innovation, Analytical Thinking