

AADHAVAN P

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EDUCATION

B.E. - Computer Science and Engineering

Sri Eshwar College of Engineering, Coimbatore, India

Nov 2022 - Apr 2026

CGPA: 8.65

B.S. - Data Science and Applications

Indian Institute of Technology Madras, Chennai, India

Jan 2024 - Jan 2027

CGPA: 8

SKILLS

Programming Languages C, C++, Java, Python, JavaScript, TypeScript, Rust

Frontend Development HTML, CSS, React, Next.js, SvelteKit, Redux, TailwindCSS

Backend Development Node.js, Express, Django, Flask, Spring Boot, REST API

Mobile Development Flutter, React Native, Ionic

AI/ML LangChain, LangGraph, RAG, NLP, Scikit-Learn, Digital Twin

Database PostgreSQL, MongoDB, Redis, MySQL

Tools & Technologies Git, GitHub, Jenkins, Docker, AWS, Azure, CI/CD, Postman, Firebase, Scrum, Agile, Microservices, Distributed Systems, Networking, Debugging, Visual Studio, VS Code

EXPERIENCE

Commscope - Ruckus Networks | Software Engineer Intern Chennai, India Jul 2025 - Present

- Developed Digital Twin System with LangChain and LangGraph agentic workflows for network simulation, predictive analysis, and automated diagnostics, reducing manual troubleshooting time by 40%.
- Resolved firmware and network protocol bugs on Ruckus ICX switches; collaborated with QA teams in Agile sprints.

Infosys Springboard | Project Intern Bangalore, India Oct 2024 - Jan 2025

- Built a personalized music streaming platform using Django, FastAPI, and Spotify API, achieving a 30% reduction in API response times through database indexing, caching layers, and query optimization.
- Led a 5-member team to improve authentication and management workflows, increasing onboarding efficiency by 20%.

INTERMS, LLC | Software Engineer Intern, Remote Boyds, MD, USA Jul 2024 - Sep 2024

- Designed a cross-platform web and mobile solution using .NET Core and Flutter, implementing real-time notifications and analytics tracking, resulting in a 30% increase in active users.
- Automated regression testing with Selenium, reducing manual QA effort by 50% and optimizing QA workflows.

PROJECTS

AI Karamh | React.js, React Native, Stripe, MongoDB | [Live](#) | [Github](#) Feb 2025 - Apr 2025

Developed and launched a cross-platform e-commerce marketplace serving 10,000+ users across iOS and Android, specializing in livestock trading and outdoor equipment with real-time inventory management and secure payment processing.

MeloMatch | Django, FastAPI, Celery, Spotify API, Redis, Stripe | [Github](#) Nov 2024 - Jan 2025

Engineered a scalable music streaming platform delivering 1,000+ daily personalized song recommendations with 95% accuracy using parallel track processing and multi-source aggregation, achieving <2s search latency via Redis caching.

Lumeo | Next.js, PostgreSQL, Tauri, Rust, AWS, Whisper (OpenAI) Sep 2024 - Nov 2024

Created a SaaS video recording/streaming platform and cross-platform desktop recorder, featuring Whisper transcription, real-time collaboration, Stripe subscriptions, and AWS S3/CloudFront CDN for scalable, low-latency delivery.

Reach Out Rural | Flutter, Django, Flask | [Github](#) Aug 2024 - Sep 2024

Architected an award-winning AI-driven telemedicine platform at Medecro.ai Hackathon, improving healthcare access by 40% in remote villages through multilingual chatbot support for 15+ languages and advanced wound analysis algorithms.

CERTIFICATIONS

Microsoft Certified Azure (AZ-900) AI Fundamentals

Google Certified CyberSecurity Professional

MongoDB Certified Associate Developer

IBM Python for Data Science, AI & Development

ACHIEVEMENTS

- LeetCode**: Rating 1734 | 700+ problems - [Profile](#) | **HackerRank**: 5-Star C++/Java - [Profile](#)
- Pechacks 2.0 Winner**: Won ₹1,00,000 outperforming 180+ teams for Medical diagnostic tool development.
- Medecro.ai Hackathon Runner-Up**: Won ₹20,000 for AI-powered telemedicine application.