

DHANUSH KUMAR

Coimbatore | +91 9345590559 | dhanushkumaramk@gmail.com | Portfolio | LinkedIn | GitHub | LeetCode

Career Objective

I'm a MERN Full Stack Developer with solid knowledge in backend development, system design, and AWS. Proficient in JavaScript, Next.js, Data Structures, and Algorithms. Passionate about building scalable and reliable applications. Strong problem-solving abilities and eager to contribute to impactful software projects.

Skills

Front-End Development: HTML, CSS, JavaScript, React.js, Next.js, TailwindCSS

Back-End Development: Node.js, Express.js, TypeScript, Socket.IO, RESTful APIs

Database & ORM: MongoDB, PostgreSQL, Redis, Mongoose, Supabase

DevOps & Tools: Git, GitHub, Docker, AWS, Postman

AI Automation & AI Technologies: n8n, Make.com, AI Agents, RAG, Vector Databases, MCP, Prompt Engineering

Other Skills: Data Structures & Algorithms (Java), System Design (LLD & HLD), Microservices Architecture

Education

Master of Science in Information Technology

2022

Hindusthan College of Arts Science College

Bachelor of Computer Application (BCA)

2025

NGM College

CGPA: 7.92

Certifications

JavaScript Programming - GFG ↗

AWS cloud Practitioner - GFG ↗

React.Js Certificate - GFG ↗

Prompt Engineering - Simplilearn ↗

Projects

MERN Stack Spotify Clone with Microservices Architecture ↗

Aug 2024 – Oct 2024

- Designed a scalable music streaming system using MERN and microservices for improved maintainability and performance.
- Built a secure Admin Panel for user management, song/album listing, and application analytics.
- Implemented user authentication, playlist management, and secure downloads.
- Applied load balancing, Redis caching, rate limiting, bot detection, and DDoS protection, boosting performance, security, and response times by 60%.
- Utilized JWT, role-based access, Docker, reverse proxy, API gateway, and CI/CD pipelines for secure, scalable, and automated deployment.

AI-Driven Financial Intelligence Tracker ↗

Feb 2024 – Jul 2024

- Developed a financial tracker using Next.js with AI-powered receipt scanning via Gemini AI for automatic expense extraction.
- Implemented automated notification system with cron jobs for reminders and alerts.
- Enabled users to add, and manage financial records with an intuitive interface..
- Designed for scalability and performance with efficient backend scheduling and AI integration.

Achievements

- Solved 400+ problems on LeetCode
- Rank 1 in GeeksforGeeks College Level Coding Score
- Published technical blogs on Medium about system design and integration in web apps.