

Nithin Venkat Sharma P M

📍 Coimbatore, Tamil Nadu

✉ nithin.p.m2006@gmail.com 📄 nithin-p-m- 🌐 nithin0306 🌐 Portfolio

SUMMARY

Computer Science undergraduate with project-based experience in full-stack software development and collaborative team environments. Familiar with data structures and problem-solving, implementing features across frontend and backend systems, and working with modern development tools. Motivated to grow through hands-on development and build practical, user-focused solutions.

EDUCATION

- Amrita Vishwa Vidyapeetham, Coimbatore** B.Tech in Computer Science Aug 2024 – Aug 2028
- CGPA: 9.01 / 10
 - Relevant Coursework: Data Structures and Algorithms, Design and Analysis of Algorithms, Object-Oriented Programming, Operating Systems, Database Management Systems, Computer Organization and Architecture

EXPERIENCE

- **Web Developer** - Tensor Club, Amrita Vishwa Vidyapeetham Jul 2025 – Present
 - Contributed to frontend development of the club website, improving UI responsiveness and usability
 - Collaborated with team members to implement layout and styling enhancements based on feedback
- **Software Development Intern** - Bluestock Fintech Jul 2025 – Aug 2025
 - Worked in a production development environment, collaborating with mentors to implement features
 - Assisted in debugging and testing frontend and backend components

PROJECTS

- **Dayta** : *React (Vite, TypeScript), FastAPI, Pinecone, Google Gemini API* [Live](#)
 - Built a full-stack Progressive Web App to answer academic calendar related queries using a Retrieval Augmented Generation (RAG) pipeline over official calendar documents
 - Implemented vector search with Pinecone for accurate, document-grounded responses with low latency
 - Designed session-aware interactions and guardrails to restrict responses to academic calendar content
 - Deployed as a PWA for cross-platform access and improved usability
- **Stock Query System (DSA + RAG)** : *Python (Flask), React + Vite, Segment Trees, Pinecone, Gemini API* [GitHub](#)
 - Designed a stock query system using Segment Trees to support efficient range queries (min, max, sum, average) in $O(\log n)$ time
 - Integrated a RAG pipeline to interpret natural language stock queries and retrieve relevant documents
 - Combined classical data structures with AI pipelines to improve computational efficiency and query accuracy
 - Collaborated in a team to implement algorithm design, AI integration, and frontend development
- **SkillUp** : *React.js, FastAPI, Gemini API, YouTube Data API* [GitHub](#)
 - Built an AI-driven platform to analyze resumes, detect skill gaps, and map them to target job roles
 - Implemented backend services for resume parsing, skill extraction, and recommendation generation
 - Integrated external APIs to curate personalized courses, tutorials, and project suggestions
 - Improved robustness through input validation, edge-case handling, and asynchronous report rendering

TECHNICAL SKILLS

- Languages: C, C++, Java, JavaScript, Python, SQL
- Frameworks & Libraries: React.js, FastAPI, Node.js, Express.js, LangChain, LangGraph
- Databases: PostgreSQL, MongoDB, Supabase
- Tools & Technologies: Git, GitHub Postman, Linux, VS Code
- Core Concepts: Data Structures, Problem Solving, Software Development Lifecycle (SDLC), Team Collaboration

ACHIEVEMENTS

- Secured **2nd place** at **Hack101** for developing **SkillUp**, a resume analysis and learning recommendation platform.
- Secured **3rd place** in the **Build2Break** hackathon at **Anokha 2026** for developing **Vita-Care**