

AKASH M

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Summary

Third-year Computer Science student passionate about software development. Interested in working on real-world projects to deepen my skills on software engineering and problem-solving. Continuously learning and updating myself with new technologies. Looking to add value and be part of your team.

Education

Shiv Nadar University

B.Tech Computer Science - Specialization in Internet of Things || CGPA – 8.94

Chennai, India

Aug 2023 – 2027

Projects

DevHub – Developer Community Platform | React, Node.js, Express.js, PostgreSQL, Prisma, Zod, Tailwind CSS, REST API

[Live Demo](#)
[GitHub Link](#)

- Developed a Full Stack Application enabling users to join communities and work on projects.
- Used PostgreSQL and Prisma ORM for query handling.
- Implemented JWT authentication and role-based access for secure user management.
- Designed a modular Express.js backend architecture.

E-Commerce Application | React, Node.js, Express.js, MongoDB, Stripe(test mode), Redis(using Upstash), Cloudinary, Tailwind CSS, REST API

[Live Demo](#)
[GitHub Link](#)

- Built a MERN e-commerce system with role-based access for admins (inventory) and customers (shopping, cart).
- Enabled secure, real-time payments using Stripe in test mode.
- Handled authentication using JWTs with access and refresh tokens for session management.
- Utilized Redis caching (using Upstash) to speed up token validation.

Roadmapr - AI Project Roadmap Generator | Next.js, React, MongoDB, Genkit (Gemini API), Clerk

[GitHub Link](#)

- Created an AI-powered platform that generates smart, customizable roadmaps with milestones and deadlines.
- Integrated Gemini LLM via Genkit to convert user goals into structured project timelines.
- Built backend logic with Next.js API routes.
- Managed user authentication with Clerk and MongoDB to store roadmaps and progress data.

Real Time Chat Application | Node.js, Express.js, MongoDB, React, Zustand, REST API, JWT, Socket.io, Tailwind CSS

[Live Demo](#)
[GitHub Link](#)

- A real-time chat platform using MERN Stack and Socket.io allowing users to chat with each other.
- Used JWT-based authentication for secure user access.
- Implemented MongoDB for flexible, document-based storage of messages and user sessions.
- Added real-time user presence tracking, online/offline status updates.

Technical Skills

Languages: C, C++, Java, Python, JavaScript, TypeScript.

Developer Tools: Git, GitHub, VSCode, Postman, Google Cloud Platform.

Technologies/Frameworks: ReactJS, NodeJS, ExpressJS, Prisma (ORM), REST API, Tailwind CSS, Zustand.

Databases: MySQL, MongoDB, PostgreSQL, Redis (Upstash).

External APIs: Google Gemini (Genkit), Redis (Upstash), Clerk, Cloudinary.

Operating Systems: Linux, Windows.

Certificates

- **Competitive Programming:** Sorting, searching, greedy algo, disjoint set union, MST, shortest paths, network flows, dp.
- **DevOps:** DevOps, Software Development Life Cycle, agile methodology, Scrum, CI/CD, microservices, IaC, cloud-native practices.
- **Cloud Computing:** Cloud platforms, virtualization, IaaS, serverless computing, hybrid cloud, cloud security, microservices.
- **Intro to AI/ML/DL:** Foundational AI, supervised and unsupervised learning, neural networks, basic deep learning.
- **LLM:** NLP, statistical models, embeddings, RNNs, attention, transformers, BERT, prompt engineering, RLHF, RAG.