AKASH M

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Summary

Aspiring software developer, interested in working on real-world projects to deepen my software engineering and problem-solving skills. Continuously learning and updating myself with new technologies. Looking to add value and be part of your team.

Education

Shiv Nadar University Chennai   2023 – 2027
Bachelor of Technology in Computer Science (Specialization in IoT)   CGPA: 8.94

Projects

DevHub – Developer Community Platform | React, Node.js, Express.js, PostgreSQL, Prisma, TypeScript, JWT, Zod, 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, Javascript, JWT, REST API, Stripe(test mode), Redis(using Upstash)   **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   **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.

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**
- **DevOps**
- **Cloud**
- **Intro to AI/ML/DL**
- **LLM**

Relevant Coursework

- Data Structures
- Software Design
- Discrete Mathematics
- Database Management
- OOPs
- Computer Networks
- Operating Systems
- Computer Architecture