Shaikh Abdul Sami

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Skills

Front-end: React.js, Next.js, JavaScript, Redux (State Management), TypeScript, CSS3, HTML5, TailwindCSS
Back-end: Node.js, Express.js, Next.js API, tRPC, Nest.js, Rest API, Python (Good Knowledge in Django, FastAPI)
Databases: MongoDB and Mongoose, PostgreSQL and Prisma, MySQL, Firebase
Cloud & DevOps: AWS (S3, EC2, SQS, ECS, ASGs), Docker, CI/CD, Nginx, Kubernetes (Good Knowledge), Prometheus, Grafana
Others: C++, Kafka, Redis, Git, GitHub, Figma
AI/LLM: Semantic Search, RAG, OpenAI, Vector Databases(ChromaDB, Pinecone)
Distributed Systems: Microservices Architecture, Event-Driven Systems, Message Queues, Load Balancing, Distributed Caching

Work Experience

WiseIN   *Oct 2024 – Present*
Lead Full Stack Engineer (Internship)
- **Leading a cross-functional team** of 3 developers and 2 UX designers to architect and develop a Full-Stack Web App and cross-platform Mobile App with complex business logic.
- Implemented Caching, Rate Limiting, CDN, and other optimizations to improve the performance of the application.
- Built a RAG-powered chat system using Pinecone for semantic search over meeting transcripts.
- Work on core backend involving complex business logic, optimizations, and integrations with third-party SDKs.
- **Conducted regular code reviews**, enforced coding standards, and ensured high code quality aligned with project requirements.

Metaverse Ventures   *Jun 2024 – Oct 2024*
Full Stack Developer (Internship)
- **Developed full stack AI/LLM-based web apps** using Next.js, TypeScript and Nest.js.
- Enhanced the user experience of key AI voice features on a leading Voice AI platform.
- Contributed to the development of an AI-powered collaborative rich-text editor with real-time features.
- Built an Asset Management System using AWS S3 and Next.js for handling uploaded and AI-generated assets.

Sanshi Network Tech. Pvt. Ltd.   *Jan 2024 – Jun 2024*
Full Stack Developer (Internship)
- **Worked with Next.js and Nest.js** to build full stack web application and implemented end-to-end user authentication and verification using third-party APIs.
- Developed a feature-rich dashboard with complex logic for slot booking, service management, and scheduling.
- **Optimized database operations** using Prisma with PostgreSQL, implemented parallel processing and database transactions for better performance and data integrity.

Education

B.Tech (CSE) – Sreyas Institute of Engineering and Technology   CGPA: **7.83/10**   *Dec 2021 – June 2025*
Intermediate (MPC) – Narayana Junior College   Score: **95/100**   *2019 – 2021*
SSC – Dilsukhnagar High School   CGPA: **9.0/10**   *2014 – 2019*

Projects

HLS Video Processing System   GitHub   Demo
- **Built scalable video processing pipeline** using Node.js and AWS for HLS streaming
- Implemented microservices with Docker and FFmpeg for multi-resolution transcoding (360p, 480p, 720p)
- **Integrated AWS services (S3, SQS, ECS, DynamoDB)** for storage, processing, orchestration and event-driven architecture

AI-Powered Collaborative Code Editor   GitHub   Demo
- Built real-time collaborative coding platform with Next.js, WebSockets, and YJS for live editing
- Integrated OpenAI-powered code assistant with chat interface for debugging
- **Implemented Redis PubSub** for scalable websocket chat system
- Self-hosted Judge0 on **AWS** Autoscaling Group for secure and scalable code execution with custom SQS Metrics as scaling mechanism

AI-powered Website Builder with 1-Click Deployment   GitHub   Demo
- Built CodeStudio AI, a platform that generates websites from natural language prompts with real-time editing and preview capabilities
- Developed scalable backend with Node.js, AWS S3 for storage, and **ECS for isolated build environments**
- Integrated Claude 3.7 Sonnet LLM for natural language-based website modifications with instant updates
- Created **automated deployment pipeline** using AWS services for secure hosting with custom domain support

Accomplishments

- **1st Place** in Code Burst Problem Solving Hackathon – Oct 2023 – Sreyas Institute
- Graded **Elite + Silver** in Programming and DSA using Python – Oct 2023 – NPTEL, IIT Madras
- **3rd Place** in Code-a-Thon Contest (Development) – Mar 2023 – FORGE ALUMNUS Pvt Ltd.