Saad Khan

🌐 Portfolio | GitHub | 🔗 LinkedIn | </> DSA Profile | 📞 9667821869 | ✉ saadkhan9969@gmail.com

Summary

Software Engineer with a strong foundation in Data Structures & Algorithms (**800+ problems solved**) and proven experience in building full-stack AI/SaaS applications. Proficient in C++ and the MERN/Next.js stack.Skilled in creating scalable solutions with PostgreSQL, Firebase, and AWS.

Experience

Lead Developer Intern, Aurameter   *Oct 2025 – Nov 2025*

Led the complete development of the official website aurameter.in, improving there UI through Next.js optimization and achieving sub-**50ms** Firestore fetch latency with secure, scalable rules.

Education

B.Tech in Computer Science and Engineering, Bennett University   *2022 – 2026*
CGPA: 8.4/10.0
Green Modern School, CBSE Class XII   *2021*
Percentage: 78%
Hamdard Public School, CBSE Class X   *2019*
Percentage: 84%

Technical Skills

Languages: C++, Python, JavaScript (ES6+), TypeScript, SQL, HTML/CSS, Bash
Frontend: React.js, Next.js, Tailwind CSS, State Management (Context API)
Backend: Node.js, Express.js, REST APIs, Authentication (JWT), Serverless Functions
Databases: PostgreSQL, MongoDB, Supabase, Firebase Firestore, MySQL, SQLite
Cloud & DevOps: AWS (Basics), GCP (Basics), Firebase, Git, CI/CD (GitHub Actions)
Core Concepts: Data Structures & Algorithms (DSA), System Design, OOP, OS, DBMS
Soft Skills: Team Collaboration, Communication, Problem-Solving, Adaptability, Time Management

Projects

SkillMind.AI — AI-Powered eLearning Platform ↗ *– Next.js, PostgreSQL, Gemini AI, Supabase* *June 2025 – July 2025*

- Boosted page load speed by **40%** using SSR in a scalable SaaS platform with secure RBAC.
- Automated course generation via Gemini AI, cutting creation time by **70%** and increasing content output **5x**.
- Reduced YouTube API calls by **50%** and increased user engagement by **30%** with optimized caching.

Intervu.AI — AI-Driven Interview Prep Tool ↗ *– Next.js, Firebase, Vapi SDK, Zod*   *July 2025 – August 2025*

- Built a real-time voice interview system achieving **300ms average latency** with the Gemini 2.0 model.
- Increased candidate preparation efficiency by **40%** with automated AI-generated feedback and transcripts.
- Designed a serverless Firebase architecture that handled a **5x traffic spike** with no performance degradation.
- Eliminated **98%** of data entry errors by enforcing strict Zod schema validation on all API endpoints.

Productivity OS — MERN Productivity Suite ↗ *– React, Node.js, Express, MongoDB*   *Oct 2024 – Nov 2024*

- Increased UI responsiveness by **35%** by optimizing React component rendering and state management.
- Mitigated **95%** of simulated unauthorized access attacks with a secure JWT and bcrypt authentication system.
- Secured the Node.js API with Helmet.js and rate limiting to achieve **99.9% uptime** and prevent XSS attacks.

Research

- **Comparative Analysis of Rendering Strategies on Web Application Performance**   *April 2025*
  - *Finding:* Validated that Server-Side Rendering (SSR) improved key web vitals (LCP, TTFB), boosting load performance by up to **40%** over Client-Side Rendering (CSR) for content-rich applications.

Achievements

- Solved **800+ Data Structures & Algorithms** problems on competitive platforms (LeetCode, GFG).
- Secured a **Top 10 Rank** (of 300+ teams) in the **HackEye Hackathon (2022)**.
- Achieved **9th Overall Rank** (of 500+ teams) in the **Smart India Hackathon** finals.