Sohail Khan
Web Developer

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Career Objective

Computer Science undergraduate passionate about solving real-world problems using full-stack development. Interested in contributing to impactful projects in fast-moving start-up teams.

Projects

ShareDaddy   *Live Demo* ↗   —   *GitHub* ↗
Next.js, Tailwind CSS, Node.js, Express.js, MongoDB, Redis, Cloudflare R2

- **Built a real-time file and text sharing web app** with short-code based access and auto-expiry functionality.
- **Engineered backend services** using *Express.js*, *Redis*, and *Cloudflare R2* for fast and secure file handling.
- Developed scalable file upload logic with *Multer*, leveraging memory-safe streaming and rate limiting.
- Designed a **responsive, mobile-first UI** using *Tailwind CSS* to deliver a smooth user experience across devices.

Yap   *Live Demo* ↗   —   *GitHub* ↗
Next.js, Tailwind CSS, Node.js, Express.js, MongoDB, Socket.io, JWT

- **Developed a real-time web chat application** using the *MERN stack* with persistent messaging and dynamic updates.
- **Implemented secure authentication** using *JWTs* and *bcrypt* for hashed password storage and token-based sessions.
- **Enabled low-latency communication** with *socket.io*, ensuring smooth bidirectional messaging between users.
- Designed a **modular, scalable codebase** following separation of concerns and best practices in REST API architecture.

BookBuddy   *Live Demo* ↗   —   *GitHub* ↗
FastAPI, Gemini API, LangGraph, Streamlit, Render, Google Calendar API

- **Built a conversational AI agent** using *FastAPI* and *Gemini* to book slots in Google Calendar via service accounts, eliminating the need for user OAuth.
- Integrated *LangGraph* to handle multi-turn memory and tool use for context-aware dialogue and dynamic calendar handling.
- **Deployed a full-stack prototype** with a Streamlit frontend and a FastAPI backend hosted on *Render*, using secret files for secure credential management.
- **Implemented real-time availability checks** and seamless booking flows using the Google Calendar API, enhancing automation and user experience.

Skills

Frontend & Languages: JavaScript (ES6+, Advanced), Python, Java, HTML5, CSS3, Tailwind CSS, React.js, Next.js
Backend: Node.js, Express.js, REST APIs, FastAPI
Databases & CMS: MongoDB, Firebase (Firestore, Auth), Sanity.io
Mobile Development: React Native
Dev Tools & Platforms: Git, GitHub, Figma, Postman, Vercel

Achievements

- **Co-developed and deployed** Attendee, a React Native mobile app with **7,000+ downloads** on the Play Store, allowing real-time attendance tracking and academic management students for ITER, SOA University students.
- **Led a tech community of 500+ students** as part of *OCTOHUB 2023*, an open source initiative of a month that features a website and an active Discord server.
- Served as a **Core Tech Team member** at the Career Development HUB, conducting hands-on workshops on *Next.js* and *React Native*.

Education

ITER, SOA University, Bhubaneswar *2022 – 2026*
Bachelor of Technology (B.Tech) in Computer Science and Engineering