

MOHAMMED SAHIL KHAN

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EDUCATION

B.Tech, Computer Science Engineering	Allenhouse Institute of Technology, Rooma, Kanpur	Jul 2019 - Jul 2023
High School	International Indian School , Dammam, Kingdom of Saudi Arabia	Mar 2018 - Mar 2019
Secondary School	International Indian School , Dammam, Kingdom of Saudi Arabia	Mar 2016 - Mar 2017

TECHNICAL SKILLS

Programming Languages: Python, C++ SQL , JavaScript, MongoDB , TypeScript

Libraries and Frameworks: Numpy, Pandas, Streamlit , Seaborn, Scikit-learn, Tensorflow, ReactJS, Power BI, BeautifulSoup, Selenium, MySQL, NodeJS

Tools: Git, Github, Postman API, Kaggle , ThunderClient

PROJECTS

DocsSphere

Sep 2024 - Oct 2024

Tech Stack: Next.js, TypeScript, Clerk, Liveblocks, Sentry, Vercel, Shadcn

- Engineered an innovative document collaboration tool integrated with Clerk authentication; enabled Google sign-ins which improved user engagement by reducing account creation friction and increasing active daily users.
- Integrated Liveblocks for real-time document collaboration, allowing multiple users to edit or view documents simultaneously.
- Implemented access control, enabling users to share documents with varying levels of permission (view/edit).
- Utilized Sentry for monitoring and code fixes, ensuring stability and security.
- Deployed on Vercel, offering fast and reliable performance for users.

CarePulse

Oct 2024 - Nov 2024

Tech Stack: Next.js, TypeScript, Appwrite, Zod, Twilio, Shadcn, Vercel

- Developed a healthcare management platform enabling users to register, input health information (allergies, medical/family history, primary physician), and verify their identity.
- Created an appointment system where users can request appointments with doctors, specifying timing and preferences. Requests are visible on an admin dashboard, allowing scheduling or cancellation with notifications sent to users via Twilio.
- Integrated admin controls to manage appointment statuses (pending, scheduled, canceled), with flexibility to adjust doctor/timing based on availability.
- Deployed on Vercel, ensuring secure and responsive performance for users.

OpenVoice

Jul 2024 – Sep 2024

Tech Stack: TypeScript, Next.js, Vercel, NextAuth, Resend, Zod, Bcrypt, MongoDB, Google Gemini AI, Shadcn

- Built an anonymous Q&A platform with AI-powered question suggestions, leveraging Google Gemini AI for enhancing user engagement.
- Designed a secure authentication system with NextAuth and Bcrypt, allowing users to log in and share profile links for anonymous questions.
- Implemented dynamic frontend using Shadcn, creating a smooth, interactive user interface.
- Integrated Resend for seamless email functionality, enabling users to receive notifications and verification.
- Deployed the application on Vercel, ensuring fast and reliable performance with serverless infrastructure.
- Developed features similar to Mentimeter, including anonymous question submissions with optional AI-suggested questions.

ACHIEVEMENTS

- Solved 700+ questions on [LeetCode](#).
- Planned, organized, and executed the annual H.R. Symposium in college.
- Held the position of Head of Communication for the Computer Science Association in college.