

MOHAMMAD SAHIL

Full-Stack Developer | MERN Stack | React.js, Next.js, Node.js, Express | Firebase, AWS

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WORK EXPERIENCE

Contractor 📅 Nov 2024 – Jan 2025
Focus On Concepts

- Designed and developed the official website and admin panel for Focus On Concepts using **Next.js**, **Tailwind**, **MUI**, **Node.js**, and **Firebase** to streamline educational content and course management.
- Architected **dynamic routes** for each course, established **CI/CD pipeline** reducing deployment time by 20%; created admin tools for managing live/recorded courses, testimonials, FAQs, student data with Firebase.
- Elevated admin efficiency and increased site engagement 50% through responsive design, dynamic content handling, and real-time updates.

Software Development Intern 📅 Aug 2022 – Feb 2023
TalentZ.AI

- Engineered a full-stack job portal for TalentZ.AI leveraging **NextJS**, **MUI**, **Redux**, **NodeJS**, and **DynamoDB**, facilitated 5,000+ connections between verified companies, students, and partners within the initial three months.
- Implemented key features including **role-based dashboards**, **real-time job listings**, filter job listings, **user authentication**, and **CI/CD pipelines**; ensured high responsiveness and mobile-friendly design across all user categories.
- Deployed on **AWS Ubuntu (Lightsail)** with **automated workflows**, reducing release time; contributed to a 60% increase in user engagement and streamlined hiring processes for companies and students.

Contractor 📅 Jul 2022 – Aug 2022
Masterji Pvt. Ltd.

- Built a fully functional admin panel for MasterJI tailoring app using **Node.js**, **Firebase**, **Cloud Storage** and **Firestore** to manage orders, garments, users, and roles, streamlining backend operations and app control.
- Implemented **admin authentication**, **role-based access control** for 4 user types, and **complete CRUD** across 12+ Firestore collections; integrated backend with both the PWA and Flutter mobile app for seamless data sync.
- Optimized backend with Node.js and Firestore; Enhanced operational efficiency through real-time admin tools and intuitive UI; improved turnaround time and order tracking across teams, contributing to a better app reliability.

PROJECTS

Vridhhi | E-Sports Fest | Tech Lead 🔗 Github Link

Developed Vridhhi eSports web app with Next.js, Node.js, and MongoDB, featuring real-time event listings, **Stripe payments**, authentication, and responsive UI, attracting 5K+ users and boosting registration speed and engagement across a multi-event tournament.

MasterJi Mobile App - Book Tailor Online 🔗 Github Link

Built a mobile app with **React Native**, **TypeScript**, **Redux** and **Firebase**, that offers custom-stitched clothing with doorstep service, real-time tracking, voice-note instructions, Firebase Authentication, and a seamless UI. Integrated **unit testing** to ensure reliability and maintainable code across critical features.

PROGRAMMING SKILLS

Programming Languages

JavaScript, TypeScript, Python, C++, SQL

Industry Knowledge

OOPS, Data Structures & Algorithms, Full Stack Development, Cloud-Native Applications, REST & GraphQL APIs, Agile & Scrum

Frameworks and Libraries

React.js, Next.js, Node.js, Express.js, Redux, React Native, Flutter, TailwindCSS, MUI, GraphQL, MongoDB, PostgreSQL, Socket.IO

Tools and Technologies

Git, GitHub, Docker, Postman, Figma, Firebase, AWS (EC2, S3), GCP, Vercel, CI/CD, Jest, Linux, VS Code, Jira, Slack, REST APIs

Languages

English (Advanced), Hindi (Native)

EDUCATION

INT. MSc, Life Science | 2019-24
NIT Rourkela | 7.56/10 (Pursued)

Intermediate | May 2018
SSS APTIC, Lakhanpur | 80.0%

PORS

The Plan B - Lead Organizer

A Business Hackathon, E-Cell NIT Rourkela, attracting 500+ aspiring entrepreneurs

SharkTank NITR - Co-Lead Organizer

A flagship startup pitching event, Organized by E-Cell NIT Rourkela in NES - 2023

Vridhhi: E-sports Fest of NITR - Tech Lead

One of The largest mega Esports fest in Eastern India with more than 2000 gamers

DevDribble - Founder & President

The Development Club reg. under SAC, NITR

Entrepreneurship Cell, NITR - Secretary