

# MOHAMMAD SAHIL

Software Engineer | Full-Stack Developer | React/Next.js, Node.js, Firebase

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## WORK EXPERIENCE

### Contractor

📅 Nov 2025 – Jan 2026

#### 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/recording 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 **Firebase** 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

### Vriddhi | E-Sports Fest | Tech Lead

👤 Github Link

Developed Vriddhi 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 **Flutter**, **Dart**, **Provider** 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, Dart, Python, C++

### Industry Knowledge

OOPS, Data Structures & Algorithms , Full Stack Web Development, Mobile App Development, Cloud Computing

### Frameworks and Libraries

React, Flutter, React Native, Redux, Bloc, Next.js, Node.js, Express, GraphQL, MongoDB, DynamoDB, Flask, Socket IO

### Tools and Technologies

Git, GitHub, Figma, Linux, Docker, Postman, Rest APIs, Firebase, DigitalOcean, GCP, AWS, Jira, Slack, XD, Illustrator, AE

### Languages

English (Advanced), Hindi (Native)

## EDUCATION

### INT. MSc, Life Science | 2019-24

NIT Rourkela | 7.56/10

### Intermediate | May 2018

SSS APTIC, Lakhimpur | 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

### Vriddhi: 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