

# Syed Talha Hussain

+923193511792 syedtalha71x@gmail.com  
<https://www.linkedin.com/in/syed-talha-hussain-93b490253/>

## Technical Skills

**Languages and Frameworks:** JavaScript, React.js, Next.js, Node.js, Express.js, Tailwind CSS

**Databases:** MySQL, MongoDB

**DevOps Skills:** AWS and Cloud Formation, Docker, Kubernetes, CI/CD pipeline and automation.

## Work Experience

### Tesseract Innovations Pvt Ltd

June 2024- Present

Junior MERN Developer

Karachi, Pakistan

- Developed new features and enhancements for web applications in React.js.
- Boosted server-side rendering performance in Next.js by over 100% through optimized data fetching, caching strategies, and streamlined API integrations, delivering a seamless and scalable user experience.
- Implemented responsive designs resulting in a 15% increase in mobile traffic.
- Streamlined and optimized MySQL query operations, successfully reducing processing times by over 50%, thus enhancing overall database efficiency and response times for business-critical operations.
- Designed and implemented advanced server-side feature in Node.js, optimizing Express.js routing for improving 90% performance, scalability and faster response time.
- Built and automated CI/CD pipelines using AWS CodePipeline, optimizing S3 storage and delivery performance by 20%, resulting in faster deployments and reduced operational costs.

### InfoTech Brain

December 2023 - June 2024

Full Stack Developer INTERN

Pune, India

- Leveraged JavaScript and React.js for front-end development, improving user experience by 20%.
- Mastered Node.js and MongoDB, increasing development speed by 20%.
- Converted quality mockups and UI Design into a successful Next.js code with optimization of server-side rendering, dynamic routing and code splitting.
- Optimized applications for maximum speed and efficiency and refactored the legacy code into a reusable code.

## Personal Projects

### NextGen-Career: OPEN AI Roadmap Platform

- Developed the NextGen Career platform with a React and Tailwind CSS frontend deployed on Vercel and a Node.js-MySQL backend hosted on AWS EC2 with Amazon RDS, ensuring high scalability and performance.
- Implemented subscription management, customizable user profiles, and a secure OTP-based authentication system for enhanced user security and functionality.
- Integrated OpenAI to enable career roadmap generation, improving generation speed by 2x and providing users with accurate, personalized paths.
- Delivered a seamless experience through optimized frontend-backend interactions, ensuring fast, reliable, and intuitive workflows for users.

### Skillhub: SAAS E-Learning Platform

- Building a SaaS e-learning platform with a React.js frontend, Express.js and Node.js backend, MongoDB database, and Tailwind CSS for a fully responsive and optimized user interface.
- Enabling students to enroll in courses and instructors to post and manage their own courses, with a payment gateway integrated for course purchases.
- Optimizing S3 for efficient video and image storage, ensuring fast content delivery and scalability as the platform grows.
- Incorporating secure authentication for both students and instructors, ensuring data protection and user privacy.
- Implementing an admin panel for complete website control, allowing admins to manage users, courses, and content efficiently.

## Education

### Sir Syed University of Engineering and Technology

Oct 2022 - present

Bachelor of Science in Software Engineering

Karachi, Pakistan