

MUHAMMAD ANAS
MERN STACK DEVELOPER

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🏠 Nazimabad No. 1, Karachi

EXPERIENCE

MERN STACK DEVELOPER

Virtuosoft

11/2024 – Present | Karachi, Pakistan

A software development company specializing in educational technology solutions.

- Developed **Tutor Nest**, an online tutoring management system designed to connect students, teachers, and parents seamlessly.
- Implemented real-time communication, session scheduling, and user role management.
- Built using **Next.js, TypeScript, Prisma, and Redis**, ensuring scalability and performance.
- Designed a **multi-tenant architecture** using database isolation and role-based access control (RBAC), ensuring **secure and efficient data management** for multiple institutions.

MERN STACK DEVELOPER INTERN

K-ELECTRIC 08/2024 – 09/2024 | Karachi, Pakistan

A leading electric utility company in Karachi.

- Developed a **user authorization application** using React.js, Express.js, and MongoDB, implementing **role-based access control (RBAC)**.
- Contributed to UI enhancements and front-end optimizations for internal company applications
- Collaborated with the backend team to integrate dynamic components and enhance user experience using **Express.js**.
- Focused on scalability, security, and efficient database management.

FRONT-END DEVELOPER

VLD Solution

03/2024 – 07/2024 | Karachi, Pakistan

A web development company specializing in travel and hospitality.

- Engineered an **innovative travel website** featuring intuitive navigation and eye-catching visuals, leading to a **40% increase in user engagement** within the first month of launch.
- Implemented a **responsive design** ensuring smooth functionality across mobile and desktop devices.

- Focused on engaging users with **soft colors**, **elegant typography**, and **effective call-to-action buttons**.

SUMMARY

Undergraduate **Software Engineering** student at the **University of Karachi (UBIT)** with a passion for **web development** and **backend technologies**. Skilled in **Next.js, JavaScript, Prisma, and Redis**, with experience in building **user authorization systems** and optimizing databases. Adept at creating **scalable and secure applications**.

EDUCATION

Certification

Saylani Mass IT Training Program

2021 – 2022 | Karachi, Pakistan

BS Software Engineering

University of Karachi (UBIT) | Expected Graduation: **2025**

11/2021 – 11/2025 | Karachi, Pakistan

Pre-Engineering

SM Science College

03/2019 – 04/2021 | Karachi, Pakistan

SKILLS

- **Front-end:** HTML, CSS, JavaScript, React.js, Next.js
- **Back-end:** Node.js, Express.js
- **Databases:** MongoDB, PostgreSQL, Prisma
- **Version Control:** GitHub