

# Hasnain khan

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## EDUCATION

**NED University**  
*Software Engineering*  
**Fazaia Degree College, Faisal**  
*HSSC-I & HSSC-II*

**Karachi,Sindh**  
Oct. 2022 - May 2026  
**Karachi,Sindh**  
Jul. 2020 - Jul 2022

## EXPERIENCE

**FullStack Intern**  
*Virtuosoft*

**Apr 2024 - July 2024**  
Karachi, Sindh

- Contributed to an LMS product by developing backend APIs using Django Rest Framework, focusing on scalable and maintainable architecture.
- Built a user-friendly React.js frontend and a robust NestJS backend with TypeORM for the company's AMS product, ensuring responsiveness, interactivity, and efficient data handling.
- Worked on the project of Bounti.ai, an american based company by using nextjs, prisma and SCSS.

## PROJECTS

**OmniNote | Next.js, TypeScript, Supabase, Drizzle ORM, ShadCN.**

**February 2024**

- A Notion-like web app built with Next.js, TypeScript, and Supabase for note-taking and organization.
- Utilized Supabase for seamless backend-as-a-service features and Drizzle ORM for type-safe database interactions.

**LearnHub | Node.js, Express, MongoDB, Redis, AWS S3, Next.js, RTK Query.**

**August 2024**

- An LMS with features like authentication, admin dashboard for course management, and restricted video access until course purchase.
- Integrated Redis for caching and AWS S3 for scalable file storage, ensuring fast and reliable LMS performance.

**AMS | Nest.js, React.js, Prisma,Postgres, Material-UI.**

**Jun 2024**

- A system for monitoring attendance, managing employees, and providing key data insights via a dashboard.
- Used Prisma ORM with PostgreSQL for robust, structured database management and dynamic querying.

**Evo (Online Store) | MongoDB,Reactjs,Nodejs,Expressjs,ShadCn,Tailwindcss,Stripe.**

**Oct 2023**

- Developed Evo online store using MongoDB for the database, React.js for the frontend, Node.js and Express.js for the backend, ShadCN for design, TailwindCSS for styling, and Stripe for payment processing.
- Employed ShadCN and TailwindCSS for responsive UI design and integrated Stripe for secure online payment processing.

**Scalable Chat Application | Nextjs,Nodejs,Redis Pub-Sub, Kafka,Prisma,Postgresql**

**Sept 2024**

- Developed a scalable chat app using Next.js for the frontend, Node.js for the backend, Redis Pub/Sub for real-time messaging, Kafka for event streaming, Prisma for ORM, and PostgreSQL for database.
- Implemented Redis Pub/Sub for low-latency communication and Kafka for distributed, scalable event processing.

**Leetcode Solution | C++**

**August 2024 - Present**

- Created a repository with over 350+ solved problems, providing detailed, multi-solution explanations for complex DSA challenges.

## TECHNICAL SKILLS

**Languages:** Javascript,C++,Python,Java

**Frameworks:** React, Node.js, Nextjs,Nestjs, ShadCn,Django, Rest Framework,Material-UI, FastAPI

**Dev Tools:** Git, Docker, VS Code, Visual Studio, PyCharm

**Libraries:** socket.io,redux-toolkit,rtk-query,axios