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EDUCATION

Bachelor of Science in Computer Engineering

2018 – 2022

Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI)

SKILLS

- **Programming Languages:** JavaScript, SQL, HTML, CSS, C++
- **Technologies & Tools:** Node.js, Nest.js, React, Next.js, AWS, PostgreSQL, Docker, Oracle, MongoDB, Kubernetes, Git

WORK EXPERIENCE

CodingCops, Senior Software Engineer (Mern Stack Developer).

Feb 2025 – Current

- **Designed and implemented a Health Care Management App**, enabling patients to book appointments, access medical records, and communicate securely with doctors. Implemented role-based authentication, secure data storage, and real-time notifications.
- Developed a **Personalized Fitness App** that delivers AI-generated workout plans based on user preferences, health data, and available equipment. Integrated React Native for mobile support, Nest.js for backend logic, and MongoDB for scalable storage of user progress and plans.
- Collaborated closely with product owners and designers to refine features and improve user experience, resulting in a 30% increase in user retention.
- Optimized application performance and implemented CI/CD pipelines for efficient deployment using tools like GitHub Actions and Docker.
- Ensured full-stack code quality through unit testing, integration testing, and consistent code reviews.

GoSaaS Inc, Senior Software Engineer (MERN Stack Developer).

July 2022 – Feb 2025

- **Led the development and maintenance** of the ETS (Employee Training System), overseeing backend (Node.js) and frontend (React.js) components for 5 diverse clients.
- **Decreased API response times** by 30% (from 500 ms to 350ms) by optimizing server-side logic and restructuring complex database queries, significantly improving user experience and system reliability.
- **Reduced page load times** by 25%, implementing advanced caching strategies and **lazy loading techniques** in React.js, which resulted in faster page renders and reduced data fetch times for users across all client platforms.
- **Boosted development efficiency** upto 20%, integrating automated CI/CD pipelines that shortened deployment cycles from **2 hours to 30 minutes**, reducing downtime and enhancing team productivity.
- **Enhanced database performance** by optimizing queries and implementing **strategic indexing**, leading to a **40% reduction** in database load times and allowing the system to scale efficiently to accommodate **2000+ concurrent users**.
- **Engineered tailored software solutions** through collaboration with diverse functional units, managing over ten unique client requests simultaneously; directly contributed to the reduction of support tickets by **30%**, enhancing overall service efficiency.

Wateen Telecom, Software Engineer Intern.**Aug 2021 – Oct 2021**

- Engineered a scalable backend infrastructure with Node.js, resulting in a significant reduction in server response times by 20% and enabling seamless scaling to accommodate 1M+ API requests per day.
- Led key projects involving server-side logic, API development, and database management, resulting in a 25% improvement in overall system efficiency and a 40% reduction in downtime.
- Applied object-oriented programming principles to deliver maintainable and scalable solutions, reducing system errors by 15% and improving overall system reliability by 20%.
- Built highly responsive, user-centric web applications using React.js, increasing user engagement by 35% and reducing bounce rates by 20%.

ACADEMIC PROJECTS

Augmented Reality Based Navigation App (FYP)

- Developed an AR-based navigation app for GIKI's campus to help new students and parents navigate easily. The app used Unity's ARCore to overlay real-time AR markers on a hand-drawn campus map, offering interactive guidance. This combination of AR and custom mapping made navigation simple, fun, and engaging.

Real-Time Collaboration Tool

- Built a MERN stack web app for real-time document collaboration, leveraging WebSockets for instant updates and React for text formatting, comments, and version control. MongoDB was used for secure storage with role-based access, supporting over 500 concurrent users for enhanced team productivity.

E-Commerce Platform

- Developed a MERN stack e-commerce platform allowing users to browse products, manage their cart, and make purchases. Integrated payment systems via Express.js, with MongoDB managing product data and real-time notifications for a seamless shopping experience.

Task Management Application

- Designed a task management app using the MERN stack, featuring drag-and-drop functionality, task prioritization, reminders, and team collaboration tools. React provided the frontend while Node.js and MongoDB managed backend data synchronization and retrieval.

CO-CURRICULAR ACTIVITIES

Vice President, *Project Topi a sole welfare society.***Oct 2019 – June 2022**

- Led team of 150 members. Initiated ideas for career counseling and scientific design.
- Distributed 1000 ration bags, conducted blood Camps for three years.

Vice President, *IMechE GIKI Chapter***Oct 2019 – June 2022**

- Successfully conducted an international workshop on reverse engineering.
- Led teams of more than 100 members. Maintain day to day operations and activities.

ACHIEVEMENTS

- Event Coordinator for GIK Badminton Team for the tenure of 2021-22.
- Volunteer for Project Topi, Blood Campaign by Shaukat khanum, Deforestation awareness and Covid preparedness.
- BOG Gold medal for best Final Year Project.