

Hassan Raza

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Education

Ghulam Ishaq Khan Institute of Engineering Sciences and Technology

July 2022

Bachelor of Science in Computer Engineering (CGPA: 3.49/4.0)

Sawabi, Pakistan

- **Relevant Coursework:** Applied Artificial Intelligence, Data Science, Full Stack Web Development, Microprocessors, Database Management System, Algorithm Design and Analysis and DevOps.

Experience

Pullflow

Aug 2022 – Jan 2024

Full Stack Engineer – React.js, Node.js, PSQL, GraphQL, Jest

Hybrid, Santa Clara

- Led IDE integration project, implementing seamless connections with Slack, GitHub, and VS Code to enhance collaboration and boost developer efficiency by 4X.
- Enhanced product analytics with PostHog and Retool, driving data-driven insights and optimizing development strategies.
- Maintained a hands-on role in coding and technical decision-making, contributing directly to the successful delivery of key features.

Siemens

July 2021 – Aug 2021

Information Technology Intern – Microsoft VMware, Cisco, React.js

Karachi, Pakistan

- Assisted IT team in the management of the organization's network infrastructure and servers, ensuring their optimal performance.
- Developed an internal web portal for efficient management of employee directory and holiday scheduling.

Afiniti

Aug 2020 – Sep 2020

Project Trainee – Playwright

Karachi, Pakistan

- Conducted black-box testing for an AI-based conference call center solution to ensure quality and performance.
- Executed comprehensive test plans to identify and document bugs, ensuring robust software functionality.

Projects

Outcome Based Evaluation System – React.js, Express.js, MySQL, AWS

- Developed and implemented a comprehensive project aimed at automating the evaluation of Outcome- Based Education (OBE) with a focus on Program Learning Outcomes (PLO) and Course Learning Outcomes (CLO). The project helped university to get PEC accreditation.

Know Your Views – Tensorflow, Keras, Matplotlib.py, React.js, Flask

- Implemented a sophisticated model to predict the number of viewers for YouTube videos based on their description. The predictive model incorporated techniques such as Word Embeddings and Long Short-Term Memory (LSTM) networks to analyze the textual content.

Complaintronix – React.js, Express.js, MySQL, Firebase, Material-UI

- Designed and implemented a user-friendly web platform for the efficient submission and tracking of network-related complaints. The project

Technical Skills

Languages: Python, JavaScript, TypeScript, Java, C/C++, Matlab, SQL

Technologies: React.js, Angular, RedwoodJS, Express, Nest.js, Jest, Flask, GraphQL, Jest, Bootstrap, Chakra-UI, Tailwind, Tensorflow, Keras

Infrastructure : Docker, Kubernetes, Google Cloud Platform, Amazon Web Services

Extra Curricular

Project Topi

Aug 2021 – July 2022

Manager Sponsor a Child and Mess Bill Aid Program

GIK Institute

- Spearheaded a multifaceted initiative to provide education to underprivileged children, including assembling and leading a dedicated team, devising and implementing fundraising strategies, and advocating for children's rights and educational opportunities through community engagement and collaboration with local schools and government agencies.