

Muhammad Zaeem Tauqir

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EDUCATION

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

Bachelors of Science in Computer Engineering (CGPA: 3.44 / 4.00)

Sep. 2020 – May 2024

- **Achievements:** 3 times on Dean's Honors List.
- **Relevant Coursework:** Data Structures and Algorithm, Object Oriented Programming, Database, Software Engineering, Operating Systems, Microprocessor Interfacing, Intro to AI, Deep Learning, DevOps, Computer Networking, Full-Stack Development.

EXPERIENCE

Pakistan Refinery Limited

Jun. 2024 – Present

Software Developer Intern

Karachi, Pakistan

- Designed and implemented a system to monitor equipment issued to employees among 6 departments, including purchase order details, warranty information, and other attributes.
- Constructed an inventory management system, enhancing asset tracking and streamlining internal processes by 30%, using MongoDB, Express.js, React.js, and Node.js.

Upwork

Nov. 2023 – Present

Freelance Software Developer

Remote, Pakistan

- Leveraged the MERN stack (MongoDB, Express.js, React.js, Node.js) or Flask to conceptualize, create, and launch full-stack web applications to meet client specifications and enhance their business operations.
- Completed over 5 projects, resulting in improved client satisfaction and operational efficiency. Delivered projects on time, within scope, and often exceeding client expectations, leading to repeat business and positive referrals.

Dawood Family Takaful Limited

Jun. 2023 – Aug. 2023

Software Engineering Intern

Karachi, Pakistan

- Developed 4 features for a mobile app for the company agents, focusing on optimizing client record tracking.
- Implemented using React Native and Firebase.

PROJECTS

IntelliDent (Final Year Project) | *Python, Flask, Next.js, Tensorflow, Firebase*

- Collaborated with Aga Khan University Hospital, sourcing a dataset of 1000 OPGs. Developed a web app that utilizes ML/DL models for teeth classification and segmentation on Orthopantomograms (OPGs).

Today I Learned | *Python, Django, HTML, Bootstrap5*

- Built a fully responsive social media website, where users share their updates regarding their productivity.

Library Management System | *Node.js, Express.js, PostgreSQL, Postman*

- Formulated a RESTful API-based system using for managing 500+ books and 200+ users, integrating authentication and pagination. Ensured comprehensive error handling and API documentation with Postman.

Movie Browser | *React.js, JavaScript, jQuery, Bootstrap5*

- Programmed a website used to search for movies, and display details of the searched movie. Requested APIs from TMDB, containing data on 864,220 movies.

LEADERSHIP EXPERIENCE

Team Swift

KPK, Pakistan

Co-Founder & Team Manager

Jul. 2022 – May 2024

- Led a team of 20+ members to automate and build a UAV, managed team workflows, procurement, and finances, winning the 'Dawn Yeager Tenacity Award' at the SUAS Competition 2023 in St. Maryland, USA.

TECHNICAL SKILLS

Languages: C/C++, Python, JavaScript, TypeScript, Bash, PHP, SQL, HTML, CSS

Technologies: React.js, Next.js, Node.js, Express.js, Flask, Django, React Native, Bootstrap, TailwindCSS, Tensorflow, PostgreSQL, Oracle, MySQL, MongoDB, MATLAB, Arduino, Adobe Illustrator, Adobe Photoshop

Developer Tools: Git, Github, AWS, Docker, Terraform, Postman, Linux Command Line, VS Code