

# Abdul Mueed

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## EDUCATION

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**Information Technology University (ITU)**  
*Bachelor's in Computer Science*

*Lahore, Pakistan*

## WORK EXPERIENCE

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**REDMATH (PRIVATE) LIMITED, Lahore** - Software Engineer

*Aug 2022 - present*

- Develop high-quality code for edtech systems and websites using Vue Js, Quasar Framework, Django Rest Framework and Javascript
- Collaborate with a team of developers to conceptualize and execute innovative software solutions.
- Contribute to the creation of efficient and user-friendly interfaces, ensuring a seamless user experience.
- Work on various aspects of the development process, including front-end and backend development, database design, and system integration.

**Upwork- Free Lance Web Developer**

*Feb 2023 - Mar 2023*

- Seamlessly embedded the Fut Trading Bot within the underlying FIFA 23 FUT Web App, providing a smooth and integrated user experience.
- Implemented efficient state management using Pinia to handle data effectively, ensuring optimal performance of the trading bot.
- Established seamless communication between the Fut Trading Bot and the FUT Web App by utilizing Quasar bridge calls, enabling efficient message passing and synchronization.
- Developed, thoroughly tested, and ensured the functional implementation of the Fut Trading Bot, delivering a game-changing tool that automates sniping and selling processes, maximizing coin earnings, and providing financial freedom for FIFA Ultimate Team enthusiasts.

**Mindstorm Studios** - Fellow Game Developer

*July 2021 - Sep 2021*

- Responsible for creating unique and interesting mechanics for the game.
- Successfully implemented creative power-up system in the game.
- Fixed game environmental issues and UI bugs

**Fiver** - Free Lance Game Developer

*Feb 2021 -Aug 2021*

- Responsible for developing immersing game environments.
- Collaborated with the clients to create custom 3d assets for their games.
- Solved bugs in developed games of clients.
- Used powerful terrain generation and scene making tools like Gaia and Gena pro

## PROJECTS

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### Authentication Microservice

- Developed a responsive and secure application with proper form validation and efficient error handling on the frontend. Implemented fine tuned state management using Vuex and integrated an authentication mechanism that securely redirects to the coupled app with JWT access and refresh

tokens. Utilized MySQL as the database for efficient data management.

- Developed refined RESTFUL APIs using Django Rest Framework's powerful utility APIs e.g., serializers, viewsets, and routers, for user registration, and login. Utilized simple-jwt for creating access and refresh tokens with customized payloads for seamless user authentication.
- Implemented a refresh token rotation system, enhancing security by frequently rotating tokens to limit their usefulness to potential attackers. This approach improves reliability by employing shorter-lived access tokens, facilitating seamless token rotation without disrupting user experience.

### Full-Stack Ecommerce Application

- Developed a dynamic home page that displays the latest products, providing users with up-to-date information and enticing visuals.
- Implemented category classification for products, allowing users to easily navigate and explore different collections.
- Incorporated essential e-commerce website functionalities, including showcasing the latest products on the homepage, categorizing items into seasonal collections (summer and winter), and furnishing comprehensive product details pages with the option to seamlessly add items to the shopping cart.
- Implemented a user-friendly cart page with a tabular format, allowing users to adjust quantities, delete/remove products, and ensure proper error handling and notifications for a seamless shopping experience. Additionally, integrated JWT token authentication for enhanced security and utilized MySQL as the database for efficient data management.

### Anime Archives WebApp

- Developed an engaging login page with mesmerizing visuals, utilizing Quasar Framework's wide variety of UI components for a smooth user experience.
- Created a comprehensive anime recommendation website showcasing recently released, upcoming, and top-rated anime, providing users with a wide range of options.
- Implemented detailed anime pages displaying synopsis, rating, embedded trailers, and other essential information to offer a holistic view of each anime.
- Enhanced user experience with advanced search features, featuring suggestions and filters based on images, scores, year, and anime types, streamlining the search process for users.
- Utilized Django Rest Framework for smooth user onboarding, authentication and authorization. Used Django ORM for creating seamless relationship between tables enhancing product's capabilities to allow methodical and refined approach for creating RESTFUL APIs.

## **RESEARCH EXPERIENCE**

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Intelligent Machines Lab, ITU - Machine Learning Intern

*Jul 2019 - Aug 2019*

- Generated training dataset of landscape features, from high resolution satellite imagery data using Label box. The dataset was used for prediction of vector borne disease's prevalence and quantification of agricultural land.
- This Internship was supervised by NYU.

## **ACTIVITIES AND CERTIFICATIONS**

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Microsoft Certified Azure Fundamentalist

*Jan 2022*

- Hands-on experience and active participation in online forums contributed to my understanding of Azure concepts and services.
- Practice exams helped me identify areas for improvement. With thorough preparation and a focused mindset, I passed the exam, demonstrating my proficiency in Azure fundamentals.

## Microsoft Certified Python Programmer

Jan 2022

- I utilized various learning resources, including online courses and practice exercises, to enhance my skills and knowledge.
- Regular practice and hands-on coding helped me gain proficiency in Python programming. As a result of my diligent preparation, I successfully passed the certification exam, showcasing my expertise as a Microsoft Certified Python Programmer.

## GDSC Developer - ITU

June 2020 - July 2021

- A core team dev lead from ITU and Pakistan's DSC Chapter. I have organized about 10+ Talks and Events regarding GitHub and various Google Technologies. Polished the Google ecosystem of learning in Pakistan.

## SKILLS

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**Technical Skills:** HTML, CSS, TailwindCSS, Bootstrap, JavaScript, React Native, Git, GitHub, Redis, NodeJS, MySQL, Python, C/C++, Venv, Vue Js, Quasar 3, Quasar Browser Extension, Chrome Extensions, Django Rest Framework, Restful APIs, OpenVidu, Vuex, Pinia, Vue Router, Vuetify, Postman, Insomnia, Vs Code, Pycharm, MySQL Workbench, Unity

**Soft Skills:** Leadership, Time management, Effective Communication.

**Languages:** Fluent in English and Urdu.