

# MUKEET RAZA

✉ mukeetraza07@gmail.com ☎ +973 36002557 📍 Manama, Bahrain in in/mukeetraza/

## EXPERIENCE

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### • Fiver and Upwork

Remote

*Freelance*

*Jan. 2023 - Present*

- **Python Scripting:** Contributed to a range of projects serving different clients, involving the development of Python scripts to facilitate web page scraping and subsequent data analysis. Notably, enabled clients to extract product listings from platforms such as Facebook Marketplace and Zillow.
- **Software Engineering:** Contributed to a range of project serving different clients, involving the development of various application like a networking application used for streaming movies along with chat and watch party feature and a CV-builder web application with dynamic templates;

### • TCIG

Manama, Bahrain

*Software Engineer Intern*

*June. 2022 - July 2022*

- **Travel Booking Platform:** Addressed both minor and major bugs on front end and back end in production, ensuring a seamless user experience. Additionally, played a pivotal role in developing novel application features, such as user idle session time-out and enhanced customer service functionalities.

### • TCIG

Manama, Bahrain

*Software Engineer Intern*

*May. 2021 - Aug 2021*

- **Travel Booking Platform:** Integrated Google Analytics into the application through Google Tag Manager, enabling precise tracking of user interactions on the website during marketing events and promotions. Resolved minor front-end bugs and learned various design patterns and architectures, including clean architecture.

## PROJECTS

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- **DasterKhawan Food Donation Application - LUMS:** Led a team of 5 engineers in end-to-end development of a web application to provide food donation facility to reduce food wastage in Pakistan. Implemented features, including donation request, filtration of nearby NGO, and background tasks to automate donation requests.
- **Sets Game:** Setup and developed a fully functional online card game as a hobby project. Used ionic angular for front-end and .Net core for back-end. Currently extending the project to include pattern detection using YOLO algorithm.
- **Dumpling - Restaurant Management System - LUMS :** Headed development and deployment of a management system to optimize order assignment based on the workload of the available staff. Designed key-features like payment, role-based authentication using JWT tokens and order placement.
- **Raft-Distributed Storage System - LUMS:** Implemented a key-value storage service using the Raft consensus algorithm in Golang from scratch. Ensuring persistence, availability and eventually consistence of the Database in case of failures. Created Remote Procedure Call (RPC) to facilitate service communication in distributed systems.
- **Peer to Peer file sharing system - LUMS:** Developed the Chord protocol which enabled efficient lookup and retrieval of files across the network. Leveraged socket programming to establish reliable communication channels between peers, facilitating seamless data exchange and file transfer. Added load balancing and fault tolerance techniques upon dynamic node join/leave scenarios within the network.

## SKILLS

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- **Programming Languages:** : JavaScript, Typescript, Golang, Python, C/C++/C#
- **Databases/Caches:** SQL-Server, MongoDB
- **Technical Skills:** Backend Services, API Development, Distributed and Network Programming, Full-Stack, Cloud Services, Agile, Application Development
- **Tools and Frameworks:** Node.js, .Net Core, Docker, Google Cloud, Google Analytics, React, Angular, Git, Linux

## EDUCATION

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### • Lahore University of Management Sciences

Lahore, Pakistan

*Bachelor in Computer Science*

*Aug. 2019 – Jul. 2023*