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# Muhammad SaumanArshad

+92 331 4318867|

[sauman.arshad@gmail.com](mailto:sauman.arshad@gmail.com) <https://>

[www.linkedin.com/in/saumanarshad/](https://www.linkedin.com/in/saumanarshad/)

## Work EXPERIENCE

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### Dubizzle Labs

Jul 2023-Present

#### Software Engineer

- Working with a team of talented engineers to build and maintain scalable and reliable web services for Dubizzle using the Laravel framework.
- Utilised Filament PHP for making an active Customer Relationship Management Software servicing the Bayut Sales Team of over 500.
- Contributed directly to the development of numerous features including data visualisation modules, external API connections, media storage using AWS S3 buckets enhancing the overall user experience and platform usability.
- Built and successfully deployed production quality software using circle CI pipelines.
- Understood the importance of Clean code, followed Laravel practices for an efficient and maintainable codebase.

### Arbisoft

Jun 2022-Aug 2022

#### Web Development Intern

- Used Django framework, contributing to an ongoing project regarding Medical billings.
- Understood PEP8 and followed practices of clean coding in python.

## LEADERSHIP POSITIONS

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### GIK Sports Society (GSS)

May 2021-May 2023

#### Event Coordinator

- Appointed as the Head of and organized various sports tournaments and managed about 10 to 15 teams.

## ACADEMIC PROJECTS

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### Foodica - AI Health Assistant

September 2022-May 2023

- AI Based Mobile Application featuring a recommendation system for daily planned diet, able to scan foods with a precision of more than 90%.
- Built a Support Vector Machine (SVM) for training a dataset comprising of sample pictures as well as live pictures, a total database of 5,000 images.
- Developed the front-end using React Native and react-ipynb library for integrating the trained model into the application.
- Relevant documentation including SRS report were submitted.

### Automatic Face Mask Detection System

April 2022-May 2022

- A Face Recognition system built using OPENCV.
- Trained on a dataset of more than 10,000 images.
- Based on a Convolutional Neural Network (CNN) with more than 15 hidden layers.

## EDUCATION

### Ghulam Ishaq Khan Institute

2019 – 2023

#### Bachelor's In Science | Computer Science

- **Major Courses:** System Programming/Object Oriented Programming/Introduction to databases/Software Engineering/Fundamentals of Cyber Security/Introduction to Artificial Intelligence

### Beaconhouse School System

2014 – 2019

#### GCE Ordinary Level | GCE Advanced Level

- Subjects: Physics, Chemistry, Mathematics

## CERTIFICATIONS

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- Python For Data Science, AI and Development By IBM.
  - Web Development Bootcamp by Udemy.
  - Python 3 Master Course by Udemy.

## Skills And Activities

- Front-end Web Technologies including HTML5, CSS3, Bootstrap4, JavaScript..
- Back-end Technologies including Laravel, Django and packages like Filament PHP.
- Web frameworks including React and React Native.
- Databases including MySQL, PostgreSQL and MongoDB.