

Furqan Ali

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Experience

Korea Aerospace University | Goyang-si **Research Engineer | 09/2020 - Present**

- To develop web & mobile apps that can trace covid patients and then generate alert once an infected person comes in contact with the non-infected person.
- Inform authority about the detection of infected patient.
- Encrypt user personal information.
- Develop forecasting models that can predict COVID-19 (death, recovered, quarantined and recovered cases) considering multiparameters as input.
- Detection of human activities across train, buses, cars, handwashing, touching mouth, etc.

YAHOO | Seoul, S.Korea **AI Engineer | 06/2022 - Present**

- My job is to build a recommendation engine that can recommend best tutor for the child based on his activities, hobbies, interest, likes and dislikes.
- I am working on Neural Collaborative model, and hybrid model such as LightFm.

Google | Seoul, S.Korea **Infrastructure Engineer (Part time) | 03/2022 - Present**

- Fixing any network and connectivity issues that could crop up, detecting system and application issues, and ensuring the smooth flow of data and voice throughout the organization.
- Updating hardware required for maintenance of servers and the network.
- Manage the security of computer systems and inter-application information transfers.

Goldman Sach | Seoul, S.Korea **Intemee | 01/2022 - 04/2022**

I worked as an intern with the data analytics team. My role was to study and present several forecasting models including traditional and SOTA both.

Organon | Seoul **Data Analyst | 11/2021 - 01/2022**

My role was to forecast future sales based on available multivariate data and to plot the graphs over Power-Bi tool.

Virufy | Silicon valley, California **Machine Learning Lead | 05/2020 - 11/2020**

I worked as a remote engineer for the silicon valley tech startup. They were amazed with my work that I did with reliefme (startup) and they wanted me to build a similar solution for them.

ReliefMe | Karachi, Sindh **Co-Founder & Dev Team Lead | 02/2020 - 11/2020**

I worked on signal processing along side audio, video recognition via ML data preprocessing and modeling. Finally deploying it into production. My role was to prepare end to end machine learning pipeline

IBEX | Karachi, Sindh **NLP Engineer | 09/2020 - 12/2020**

- To develop a smart chatbot for e-commerce platform that can generate quick autonomous replies by seeing the ongoing chat with customers.
- Recommend replies.

Kodershub | Karachi, Sindh **Machine Learning Engineer | 03/2018 - 09/2020**

Design and code ML and DL pipeline and deploy it into production.

WAMF | Karachi, Sindh **Embedded System Engineer | 01/2016 - 09/2018**

Developed low-cost complete home automation circuit. Worked on Atmel microcontrollers such as stm32 etc, for developing autonomous drones.

Links

Portfolio : <http://furqanali.com>

LinkedIn : <https://www.linkedin.com/in/furqan4545/>

Github : <https://github.com/furqan4545>

Youtube : <https://www.youtube.com/channel/UCNx-7EFBddMaq3P6zET6Y9Q>

Tool Expertise

- C & C++
- Python, Java, Nodejs, Golang, React Native, Flutter, Php
- Web3 (MERN Stack)
- Tensorfow, Keras & Pytorch
- Cloud Computing (GCP | AZURE | AWS)
- DevOps CI and CD
- Full Stack Web Developer (JS/PHP)
- Microcontrollers Programming (Stm32 series, Arduino series)
- Git Version Controlling
- Worked on all types of databases (SQL, NoSQL)
- MongoDB, mysql, postgresql, dynamodb, Firebase etc
- Flask & Django
- Docker & Kubernetes
- Mobile application (Flutter and ReactNative)

Community Services

Co-Founder & Dev Team Lead

- ReliefMe.org (Feb 2020 to Oct 2020)
- An open source COVID-19 detection web application.
- <https://github.com/ReliefMe>

Developer Student Clubs (SSUET) by Google Developers

- Speaker & AI Team Lead
- March 2019 - December 2019

Microsoft Student Ambassadors (SSUET)

- Team lead, Trainer & Speaker
- Jan 2020 - Oct 2020

Education

KAU | Goyang-si, S.Korea

MS (Computer Information and Graph Networks) | 12/2022

SSUET | Karachi, Sindh

Software Engineering (Major in AI) | 12/2020

- Served as President of Student Council for the 2018 to 2020 academic year

Skills

Agile, ML and DL Consultancy, Team Coaching & Leading, Public Speaking, Mass Design Sprint, Research Papers Reading & Understanding, Googling, Customer service, Problem Resolution, Troubleshooting