

# Muhammad Hassan Shakeel

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## ● ABOUT ME

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Nearly 4 years experienced Software Development Engineer (SDE) with experience of developing mobile apps using Flutter in Fintech, medical and traveling domains. I am confident in the following areas of expertise:

- UI Development using Flutter
- Problem solving
- Machine Learning
- Deep Learning
- Natural language processing
- Clean code
- Collaboration

## ● WORK EXPERIENCE

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03/2023 – CURRENT Remote, United Kingdom

### **SOFTWARE DEVELOPER** BLOKTOPIA

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1. Created Cryptocurrency Wallet apps for Android and iOS using Flutter.
2. Integrated Firebase
3. Integrated Web Socket API
4. Worked agile settings
5. Implemented few recommended design patterns
6. Wrote Unit tests
7. Wrote Widget tests
8. Remote work

06/2023 – 08/2023 Vancouver, BC, Canada

### **SOFTWARE ENGINEER** MEADOWSVIEW CLINIC

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- Implemented reCAPTCHA v3 on backend
- Developed a static website for the clinic
- Implemented a user registration form

05/2021 – 06/2023

### **APPLICATION DEVELOPER** VENTUREDIVE

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1. Integrated Web Socket API
2. Implemented animations
3. Worked with RESTful and GraphQL API
4. Implemented Watch OS Apps using SwiftUI and UIKit
5. Intercepted http network traffic in Flutter App for security testing
6. Did requirement gathering from clients
7. Wrote Unit tests and integration tests
8. Worked on medical, traveling and educational(ed-Tech) apps

01/2020 – 04/2021

### **APPLICATION DEVELOPER** TPS WORLDWIDE

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1. Implemented Fin-tech mobile app modules
2. Integrated Google Map API
3. Trained new software developer resources of the company

- 4. Integrated Firebase push notifications and Firebase analytics
- 5. Integrated native SDK via Method Channel

## ● EDUCATION AND TRAINING

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01/01/2016 – 31/12/2019 Karachi, Pakistan

**BACHELOR'S OF COMPUTER SCIENCE** University of Karachi

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**Field of study** Computer Science

## ● LANGUAGE SKILLS

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Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	C1	C1	C1


*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## ● DIGITAL SKILLS

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Software Engineering | Natural Language Processing | Deep Learning | Python | Java | Object Oriented Programming | Machine Learning | Data Structures and Algorithms | Git

### Soft skills

Team management & Team work |  Effective Communication | Problem solving (problem analysis) | Initiative and proactive mindset | Collaboration and social skills

## ● ADDITIONAL INFORMATION

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### PROJECTS

08/2022 – 02/2023

**Argo Travels** Argo Travels app facilitates travellers in Brazil in getting rest house, cars for rent, to book air flight and manage their other expenses.

My role included:

- UI Development
- Problem Solving
- Collaboration with the team
- Requirement gathering from stack holders

11/2022 – 11/2022

**Covid-19 India** As a term project of my MS program, I did Social Network Analysis of Covid-19 spread in India. I pre-processed the raw data from [covid19India](#) and produced datasets of people to people contact, incoming traffic of Covid-19 patients in India and traveling pattern of Covid-19 patients in India.

I applied different techniques to devise a strategy to contain covid 19 in India, techniques included:

- Social network analysis
- Natural language processing
- Graph algorithms
- Machine learning (clustering algorithms)

I also wrote a research paper in the end as per course requirement.