

Muaz Hassan

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EDUCATION

SOUTH EAST TECHNOLOGICAL UNIVERSITY

MSC-COMPUTING (ENTERPRISE SOFTWARE SYSTEMS)
Sep 2022 - June 2023 | Waterford, IRL

INSTITUTE OF SPACE TECHNOLOGY

BS-ELECTRICAL ENGINEERING
Sep 2018 - July 2022 | Islamabad, PK

LINKS

LinkedIn:// **Muaz Hassan**
Github:// **Muaz Hassan**

COURSEWORK

POSTGRADUATE

Agile Software development
Cloud Architecture
Business Intelligence
Mobile App Development
Web Development
User Experience and Design

UNDERGRADUATE

Programming Language
Digital Logic Design
VLSI Design
Embedded Systems
Computer Networks
Engineering Management

SKILLS

PROGRAMMING

Over 50000 lines:

• Swift

Over 5000 lines:

• Python • Kotlin • C++

Familiar:

• iOS • Android • Web

• MATLAB • HTML/CSS

• JavaScript

• AWS • Firebase

• REST API

• Heroku • Railway

• UT • TDD • CI/CD

• MVVM/MVC • GitHub/Git

HOBBIES

• Trekking • Photography
• Gaming • Football

EXPERIENCE

INDIE DEVELOPMENT | IOS ENGINEER

Oct 2021 - Sep 2022 | Islamabad, PK

- Creating iOS Applications from UX/Design to App Store publication

VYRO | RESEARCH AND DEVELOPMENT ENGINEER (IOS)

Sep 2020 - Sep 2021 | Islamabad, PK

- Developing features from scratch
- Working with images and using existing libraries for the development
- Collaborating with the development team for the integration of modules
- Fixing bugs and ensuring app stability

PROJECTS

COLLAGE HUB | APPSTORE LIVE

Designed and developed the entire app from scratch.

Available for iPhone, iPad, and Mac (Intel & Silicon).

Collage Hub | 40+ reviews globally

SIMULATOR APPLICATIONS

• **FYP | BS**: Early detection of breast tumor using machine learning(CNN architectures, CLBP)

• **Meister Lite - Code & Preview**

- Mobile-application allows users to add daily tasks, projects and checklists, and build a personal profile
- Intuitive and classy Application UI(Programmatic + Storyboard)
- Auth system using Firebase
- Sync to the cloud using Cloud Firestore
- Maintaining data locally using Realm
- Testing using XCTest
- Based on Swift's modern and legacy API
- Language: Swift | frameworks: UIKit & Snapkit
- Architecture: MVVM

• **Fitness Pro - Code & Preview**

- Web-application allows users to keep track of their routine i.e. workouts, activities, moods, and hydration
- REST API from scratch
- Hosted on Heroku and Railway
- Database: PostgreSQL, Hosted on ElephantSQL
- 100% test coverage using JUnit (Integration and Unit Test)
- CI/CD: GitHub CLI
- Documentation:: API: OpenAPI, Project: Dokka
- Languages: Kotlin, JS, HTML, CSS | frameworks: Bootstrap, Axios
- Principle: SOLID

More

- Auto-scalable ToDo web-application instance backed by AWS RDS and ELB
- Serverless architecture based on AWS Lambda, SQS, Dynamo and API Gateway
- GitHub pro app (Access Github but via app, Part of Sean Allen course)
- AR dice app (Roll dice but in augmented reality, Part of Angela Yu course)
- Photo editor app (Using GPUImage to apply shaders/filters)
- Binary classification app (Predict if the input is cat|dog and hotdog|!hotdog)
- Lazer eyes app (Detect pupil via ML model and get bitcoin maxi eyes)
- Drone monitoring app (Model detecting, tracking and centering drone in real-time)
- Hacker news app (Integration of API to fetch news)
- Crypto price app (Integration of API to fetch the coin price in multiple currencies)