

Marib Sultan

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PROFILE

A frontend developer with keen interest in Computer Vision and AI. Experienced in working with JS and ML frameworks like Ionic, Angular & React as well as PyTorch, Tensorflow and OpenCV.

PROFESSIONAL EXPERIENCE

- **Senior Software Engineer @ Folio3**
Current
- **Software Engineer @ Systems Limited**
June 2017 - May 2021

PROJECTS

- **(Python)** Hawk-Eye Replica
A replica for the Hawk-Eye system, involves processing multiple camera feeds for each side of the Tennis court to recognize player's action and track ball's movement. Relies heavily on optimized TensorRT models & Image Processing.
- **(React)** Embeddable JS Widgets
Framework agnostic JS widgets built on React that work not only with React applications but any other javascript framework via an interface/api.
- **(React/Ecommerce)** Microsoft Ecommerce
Developed different themes and products based on Microsoft's Ecommerce SDK for various clients.
- **(Angular6)** Meezan Bank LOS
A web application to automate Meezan Bank's Loan Origination System. Used internally to transition from written procedures over to a digital solution.
- **(Ionic3,Angular6)** K-Electric Consumer App/Portal
A mobile app and web portal for the consumers of Karachi Electric. Enabling users of the 5th largest city in the world with the ability to check their power consumption stat/billing info and much more.

EDUCATION

- MBA (Marketing), CGPA : **3.2**
IoBM-CBM , 2019-2021
- BS (Computer Science), CGPA : **3.0**
FAST-NUCES, 2013-2017

PROFESSIONAL SKILLS

- Object Detection & Tracking, Activity Recognition, Image Processing.
- Web App Development (Angular/React)
- Unit Testing (Jest, RTL)
- AWS (EC2 and CloudWatch Primarily)
- Chrome extension development
- Hybrid Mobile Applications (Ionic)

TECHNOLOGIES / FRAMEWORKS USED

React, Angular6, Ionic3, Highcharts, Typescript, ESLint
MongoDB, NodeJs, Webpack, Github Workflows, Jest,
React Testing Library
Python, OpenCV, Numpy, PyTorch, TensorFlow, Onnx,
TensorRT

SIDE PROJECTS

- **(Javascript)** TRACKER SHIELD
A chrome extension that enable users to block/view third party cookies set by domains
- **(Java/Android)** MOUSE
An android application that enables phone to mimic functionality of a mouse

SIDE INTERESTS

Space exploration, Astrophysics, Flying