JAWAD AHMED

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🔗 https://jawadahmedtaj.github.io/   in https://linkedin.com/in/jawad-ahmed-taj   🔗 https://github.com/jawadahmedtaj

EDUCATION

Masters in Computer science for digital media
Bauhaus University, Weimar

📅 2017 – ongoing

Bachelors in Science in Computer Science
Usman Institute of Technology

📅 2012 – 2016

FYP title: MobiAct

EXPERIENCE

Motion Graphic Artist/Animator
vServices pvt limited

📅 November 2016 – October 2017   📍 Suite no. 303, 3rd floor, Al-Khaleej Tower, Karachi, Pakistan

- 2D animation, Motion Graphic, and Video editing
- Adobe: After Effects, Adobe: Premiere Pro, Adobe: Photoshop, and Adobe: Illustrator

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Secretary
UITCS-ACM chapter

📅 March 2012 – February 2013   📍 Usman Institute of Technology, Karachi, Pakistan

- Secretariat

Research Assistant
Bauhaus University Weimar

📅 July 2020 – March 2021

- Responsible for converting old Flash based mathematical animations for sound pass through wall and visual representation of different materials using visuals to web based small Apps using Vuejs or React

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Research Assistant
Bauhaus University Weimar

📅 July 2020 – August 2020

- Further sensor integration and expansion for university developed software for sensor data handling using multiple Raspberry Pis

PROJECTS

MobiAct - Final Year Project
Usman Institute of Technology

📅 1 year

Final year project of Bachours, aimed at bridging the gap in communication between employees, and the employer while at the same time providing extra features such as task management, and event management

Particle Swarm Optimization

Bauhaus University Weimar

📅 1 semester

Particle swarm optimization implemented on python

Ant System and Ant Colony System

Bauhaus University Weimar

📅 1 semester

Implemented on python

OpenCV: Draws red circle on nose

Bauhaus University Weimar

📅 1 semester

Developed an android app that draws red circle on the nose of a person's when a face is detected using OpenCV: Github

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Feature oriented programming

Bauhaus University Weimar

📅 1 semester

Feature oriented programming done using AspectJ, Antenna, and also by developing a black-box framework for a simple chat application on Java

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Maps, draws polygon on markers and calculates area

Bauhaus University Weimar

📅 1 semester

Developed an android app that draws polygon and calculates area from pins dropped(by pressing on the screen) on screen. Area is calculated by external library from Google: Github

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YelpCamp

Personal

📅 2 weeks

Made a complete online app using, Node, express, and bootstrap. Github
Deployed on heroku: Heroku

Dad jokes App

Personal

📅 1 week

Dad joke web app developed using Reactjs, and icanhazdadjoke's API Github
Deployed on Netlify: Netlify

MEAN-STACK list app

Personal

📅 1 month

Application made using Angular (frontend), MongoDB, Express, Node.js (backend). It is a listing App, where a person can post an item, and only that person is able to edit or delete that item from the list. Github
Deployed on AWS (removed): Link

Patatap Clone

Personal

📅 2 days

Patatap clone made with Paper.js Github
Live here: Github Pages

Todo-List App

Personal

📅 3 days

Todo-list app made, front end only using jQuery Github
Live here: Github Pages

Museum of Candy

Personal

📅 2 days

Built using Bootstrap 4 Github
Live here: Github Pages

Trivia App

Personal

📅 1 week

Built using Vuejs, vuetify, and vuex for a friend's birthday Github
Live here: Netlify

Color Game

Personal

📅 2 days

Color guessing game, made using vanilla javaScript Github
Live here: Github Pages

Technology in the home

Bauhaus University Weimar

📅 6 months

Experiment with a research paper done to understand how much people are willing to accept smart home technologies and how much automation they want with it.

Developing a Decentralised Smart Home Network

Bauhaus University Weimar

📅 6 months

Built a protocol on top of MQTT for a decentralised smart home network, although no full decentralisation was achieved but the concern regarding data usage was resolved by using a local server (raspberry pi by using mosquitto). Microprocessors were used as end nodes and coded using the custom made protocol sitting on top of MQTT. The protocol was developed using C++

ACHIEVEMENTS

🏆 **Speed programming competition**
3rd position in speed programming competition held within university, by UITCS-ACM. The competition was limited to C and C++ language only

SKILLS

● **Javascript, React, VueJS, Angular**

● **HTML and CSS, flexbox, bootstrap**

● **Node.JS, Express, MongoDB, firebase, Heroku**

- **C/C++**

- **Java, Android - Java, Flutter - Dart**

- **Python**

- **Matlab**

- **MySQL**

- **Adobe After Effects**

- **Adobe Photoshop**

- **Adobe Premiere pro**

- **Adobe Illustrator**