
ABDUL MANNAN

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Computer Scientist

Summary

A passionate software developer with a strong and thorough academic background in the programming languages. An enthusiast of automation of tasks. Strong theoretical concepts having a well rounded communications skill set to make my voice heard and noted.

Work experience

Oct-2020 - Present	Associate Software Developer <i>BariTechSol</i> Working on .Net core API's and react portals.
Oct-2020 - Nov-2020	Front end developer <i>Interns Pakistan Spark Program</i> An online internship covering the basics of HTML/CSS/JS/ES6/REACT.JS
Dec-2019 - Feb-2020	Robotic Process Automation Internee <i>JS-Bank</i> Team member of finance automation squad for a duration of 6 weeks
Sept-2019 - Jul-2020	Teaching Assistant <i>National University Of Computer And Emerging Sciences- Karachi</i> Teaching assistant of Artificial Intelligence for Fall 2019 and Spring 2020

Education

2016 - 2020	Bachelors of Computer Science <i>National University of Computer and Emerging Sciences - Karachi, PK</i> CGPA: 3.11
2014 - 2016	Intermediate in Pre-Engineering <i>Adamjee Government Science College - Karachi, PK</i> A-1(83.09%)
2013 - 2014	Matriculation <i>Abdalian Academy - Karachi, PK</i> A-1(84%)

Certifications

Front End Developer-Interns Pakistan	Responsive Website Basics: Code with HTML, CSS and Javascript - coursera
Deep Learning Specialization by Andrew Ng - coursera	Data Science/Analysis certifications - coursera and datacamp

Skills

- Machine Learning
- Web development
- Data analysis/visualization

- Robotic Process Automation
- C#
- REST API with Spring Boot and Spring MVC
- Team management
- React
- Java
- .Net core API
- Presentation skills
- Python
- Sql
- Windows Form,
- Windows services
- SRS, SDS, Latex documentaion

Projects

- **Projects at Interns.pk spark program** - [Online Internship](#)
 - **Quiz-App, leaderboard and dashboard** project covering the basics of react, bootstrap, js and ES6.
- **Robotic Process Automation at JS Bank** - [Internship](#)
 1. Live project for automation of finance department excel workbooks. Tools and languages used during the internship period were C#, sql, UI Path, visual studio and JS-bank VM (for deployment of project).
 2. Automation of tasks like web scraping, Excel workbooks and emails generation using UIPath etc.
 3. Debugging of codes
- **Python Programming:**
 - **Occluded Facial Expression detection** - [Final Year Project](#)

A research based project i.e. Occluded Facial Expression detection in real time covering the domain of deep learning and computer vision. Generates feedback of a group of people by predicting the facial expressions of multiple subjects at the same time. Works on video obtained by an angular camera. Tools and languages used are Python, openCv, Keras, tensorflow, visual studio and google colabatory.
 - **Data science projects:**

Applying data science concepts on several publicly available datasets such as Cifar-10, kaggle home price prediction and MNIST dataset.
 - **Pinto Prototype** - Information Systems Security

Implemented computer vision, neural networks and cryptography principles. Tools and languages used were visual studio, c#, python, openCV, self signed certificates.
 - **Facial recognition based attendance system**

Implemented using face_recognition and opencv library and windows form C#.
 - **Smart News**

A news reading desktop app made using C# and windows forms.
- **Java Programming:**
 - **REST API with Spring Boot and Spring MVC**

A quick start to learning how to build restful web services with spring framework.
 - **Corona tracker app**

A basic web-app to understand spring boot framework. Fetches covid data from a github repo and displays in table. Utilizes bootstrap, java, spring and thymeleaf.
 - **Solution of 8 queen's problem** using Constraint Satisfaction Problem (CSP) & Genetic Algorithm.
 - **Vector Space Model implementation** - Information Retrieval

Ranks documents on the basis of similarity with the given query
 - **Boolean information Retrieval**- Information Retrieval

Given a query, returns the documents containing the desired term
- **Hospital Management System Website** - Database

Website was made using html, css and php whereas database was made on phpmyadmin.