

Ammad Umar

SOFTWARE ENGINEER

CONTACT

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PROFESSIONAL PROFILE

A creative individual with ability to develop efficient solutions with zero tolerance for errors looking to obtain a software engineer position in a fast-paced organization where exceptional technical skills and ability to quickly adapt to change are duly compensated.

SKILL SET

LANGUAGES

- Python
- Dart
- Java
- C++
- HTML
- CSS (SASS, LESS)
- JavaScript (ES6)
- Kotlin
- Assembly x86

TOOLS & TECHNOLOGIES

- jQuery
- React JS (incl Hooks, Redux, Router)
- Bootstrap 4
- SQL DB (MySQL, Oracle, SQLite)
- NoSQL DB (Firebase)
- Message Queues (RabbitMQ)
- Cloud Solutions (GCP)
- API Development (Flask REST)
- Reactive Web Application Development
- Flutter App Development
- WordPress Development
- Containerization (Docker)

INDUSTRY KNOWLEDGE

- Netlify
- Agile Methodologies
- Version Control with Git
- Object-Oriented Programming
- Data Mining and Machine Learning

OTHER

- Detail Oriented
- Self-Starter
- Willingness to learn
- Eagerness to collaborate

CERTIFICATIONS

- Machine Learning by Stanford University | Coursera
- Crash Course on Python by Google Cloud | Coursera
- Version Control with Git by Atlassian | Coursera
- SQL for Data Science by University of California | Coursera
- Python (Basic) | HackerRank
- Problem Solving (Basic) | HackerRank

WORK HISTORY

Software Engineer Intern

2vec Consulting | Jul 2020 - Sep 2020

- Semantic search with approximate nearest neighbors and text embeddings
- Development of InVigil Chrome extension using web RTC (ML, Python, NLP, thereTensorflow, Flask)

Research and Development Intern

Information System Research Lab | Feb 2020 - Nov 2020

- R&D of an optimized delivery scheduling and routing system w.r.t domain constraints
- Deployment of REST API on Google Cloud Platform (ML, NN, Python, Scikit-Learn, Flask, SQLite, and RabbitMQ)

Project Intern

Telenor Microfinance Bank Limited | Jun 2019 - Dec 2019

- Development of 'Easypaisa' brand web application
- Load time optimization, Google analytics, and Google maps integration
- Stress testing to support one million users API development (Cashpoint Locator)
- Deployment on a remote Red hat server. Domain: <https://easypaisa.com.pk/> (HTML, CSS, Bootstrap, JavaScript, jQuery, WordPress, PHP, and MySQL)

PROJECTS

Udhaar Android/iOS Application

Human Computer Interaction Course 2020

Money lending manager app (Flutter, Dart, Firebase)

SentiMix Hindi-English

Artificial Intelligence Course 2020

Predict the sentiment of a given code-mixed tweet. (Python)

Flight Data Prediction and Analysis System

Data Mining Course 2020

Analyze, visualize flight dataset and predict delays. (Python)

Research Collaboration Graph and Maximum Spanning Tree

Algorithm Analysis and Design Course 2020

An optimized approach for creating a maximum spanning tree. (Python)

E.R.I.M.S Android/iOS Application

Software Engineering Course 2020

Event registration and information management system built for NUCS. (Flutter, Firebase)

Soduko Game

Operating Systems Course 2019

Soduko puzzle solver implementing core OS concepts e.g. multithreading. (C++)

EDUCATION BACKGROUND

FAST - National University of Computer and Emerging Sciences

Bachelor of Computer Science | Class of 2021

- Runner-up Intra-Fast WordPress Competition 2019
- Winner of the Mathathon 2018