

USAMA IMRAN

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OBJECTIVE

A highly motivated individual who wants to work in a highly competitive environment and wants to identify the gaps between academic and real world software engineering practices.

EDUCATION

BS Software Engineering

(2015 - 2019)

GIFT University, Gujranwala. CGPA : 3.41/4.0

TECHNICAL SKILLS

Languages

Java, C++, L^AT_EX, JavaScript, CSS, HTML

Database

MySQL

Tools/Framework

MS Office, Eclipse, Vs Code, MATLAB, Bootstrap, React, React-Native

Software Engineering

Software Requirements Analysis and Specifications, Analysis Models, Software Testing, Smoke Testing, Functional Testing, UI Testing, Load Testing, Stress Testing, Usability Testing, Test Report, Bug Report.

ACADEMIC PROJECTS

Metaheuristics for Global Optimization (FYP)

(2019)

A research based project in the area of Artificial Intelligence that output a meta- heuristic algorithm to solve optimization problems. Proposed algorithm is problem independent. Algorithm (Military Tactics Optimizer) is under publication process.

- Tools/Technology: MATLAB, L^AT_EX

Character Recognition using Artificial Neural Networks

(2018)

Worked with single layer neural networks having 26 neurons to recognise English Alphabets with dataset of 10,000 samples. Dataset was cleaned and arranged in a way that it fits compatible with encoding scheme. Accuracy was not promising due to usage of only single layer neural network.

- Tools/Technology: MATLAB, L^AT_EX

Software Testing (Web Application)

(2017)

Executed functional testing on E-commerce web application. Both automation and manual testing were performed. Outputs of this project were Test Plan Document, Bug report, Test Execution Report, Test Log and Automation Scripts.

- Tools/Technology: Java, Selenium Web Driver

Library Management System

(2016)

The first attempt to develop a system using Object Oriented Analysis and Design Principles. Learning outcomes of this project were: Software Requirement Specifications document, Use Cases, Class Diagram, Sequence Diagrams.

- Tools/Technology: MySQL, PHP, HTML, CSS, Bootstrap

FREELANCING PROJECTS

- Documented Client's System. Documents included : SRS, Design Document (2 Projects)
- Worked as Software Tester at Fiverr, performed functional testing. Output included: Test Case Document, Test Execution Report, Bug Report (1 Project)
- Saloon and Spa: A web and mobile application where client can place orders and book appointments
Tools and technology: React-Native, NodeJs(Express.JS), MYSQL

RELEVANT COURSES

- Introduction To Software Engineering
- Software Requirements Engineering
- Software Design and Architecture
- Software Quality Engineering
- Software Project Management
- Artificial Intelligence
- Machine Learning
- Technical Report Writing

EXTRACURRICULAR ACTIVITIES

- Worked as an instructor in Child Protection bureau.
- Took part in Junior Speed Programming Competition.
- Took part in debating contest.

ACADEMIC ACHIEVEMENTS

- Secured 1st position in Final Year Project as best project.
- Secured 2nd position in fall 2016 (GPA: 3.86) in Software Engineering Department.
- Secured 2nd position in beginner Speed Programming Competition.

PERSONAL PROFILE

Date of Birth	April 10, 1998
Address	Street Haji Ameer Deen, Hafizabad Road, Baghbanpura, Gujranwala.
Languages known	English, Urdu.