

Muhammad Faisal Shahid

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EDUCATION

University of Central Florida

Orlando, FL

Master of Science — Data Analytics (Big Data)

Dec 2020

CGPA: 4.0

Lahore University of Management Sciences

Lahore, Pakistan

Bachelor of Science (Hons.) — Computer Science

May 2019

Relevant Coursework: Machine Learning, Data Mining, Statistical Analysis, Artificial intelligence, Data Structures, Algorithms, Advance Programming, Software Engineering, Databases

WORK EXPERIENCE

Goodlogics

Lahore, Pakistan

Software Engineering Intern

May 2018 - Sep 2018

- Developed web pages in ReactJs for various client applications.
- Tested multiple websites using Selenium and provided programming support for fault detection.

ACADEMIC PROJECTS

Linux Kernel Specialization - BSc (Hons.) Thesis

Jan 2019 - May 2019

Tools: *LLVM*

- Using LLVM, wrote module passes that analyzed application system calls and optimised the Linux kernel via dead code elimination, argument and module specialization. Evaluated the application with [Thttpd](#), an open source software web server. The resulting compiled kernels were smaller and more secure. This project was done in collaboration with [Stanford research institute](#).

BrainCare - CS 466: Human Computer Interaction

Oct 2018 - Dec 2018

Tools: *C#, Unity, Xcode*

- Developed an iOS application for early detection and control of Dementia symptoms in patients. Through interactive games and activities that promote cognitive functions, the application addresses problems like short term memory loss, and difficulties in navigation, communication and concentration. This work was done in collaboration with [Alzheimer's Pakistan](#).

Learning Management System - CS 360: Software Engineering

Feb 2018 - Apr 2018

Tools: *HTML, NodeJs, Heroku*

- Developed a web application for teachers/students to manage their courses. The system enables teachers to upload assignments and grades, and communicate with students through announcements. On the other end, registered students can download assignments, upload their work, check grades and view announcements. Deployed this web app on Heroku.

SKILLS

Languages

C++, Python, SAS, SQL, JavaScript, HTML, PHP, CSS

Tools and Frameworks

PyTorch, Pandas, NumPy, Tableau, Unity, MongoDB, NodeJs, ReactJs, Bootstrap, Flask