

Muhammad Faisal Shahid

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EDUCATION

University of Central Florida

Master of Science — Data Analytics (Big Data)

Orlando, FL

Dec 2020

CGPA: 4.0

Lahore University of Management Sciences

Bachelor of Science (Hons.) — Computer Science

Lahore, Pakistan

May 2019

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

WORK EXPERIENCE

Amazon Web Services

Software Development Engineer Intern

Seattle, WA

June 2020 - Aug 2020

- Introduced a new pipeline activity which allowed customers to change format of the time stamps in their incoming JSON messages from channels and store them into data stores.
- Developed the back-end and added this activity to the AWS IoT Analytics Console and AWS CLI.

Goodlogics

Software Engineering Intern

Lahore, Pakistan

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](#). The resulting compiled kernels were smaller and more secure.

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.

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.

SKILLS

Languages

C++, Java, Go, Python, SQL, JavaScript, HTML, PHP, CSS

Tools and Frameworks

NodeJs, ReactJs, Pandas, Hadoop, Spark, Docker, Unity, MongoDB, Spring, Bootstrap, Flask