# Muhammad M. Aslam

Full-Stack Developer

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## Education

**University of Houston** *Houston, TX*
BACHELOR OF SCIENCE IN COMPUTER SCIENCE *May 2019-Present*

## Skills

| | |
|---|---|
| **Languages** | C++, HTML, CSS, JavaScript, Python, SQL |
| **Technologies** | Git/GitHub, MongoDB, ArcMap, Cyclopedia-Street Smart, QuickBooks, Atrex |
| **Frameworks** | React, Angular, Bootstrap, Flask, jQuery |
| **Communication** | English, Urdu, Arabic, Hindi |

## Experience

**City of Houston - Public Works: Traffic and Drainage Operations** *Houston, TX*

*GIS ANALYST INTERN* *Sept 2019 - PRESENT*

• Mayor Sylvester Turner's Pavement Project - Responsible for mapping city assets such as gravity mains, off road ditches, culverts, etc.
• Roadside Ditch Project - Assigned the determining of water flow and digitization for roadside ditches and Storm Drains
• Smart City Project - Python web scraping for city asset data in the Houston metropolitan area
• The Scada Project - In charge of data entry and mapping of water facilities in Houston.
• General GIS duties such as maintaining/assuring accuracy and consistency of GIS data.
• Providing support to Civil Engineers in verification of city plans and blueprints.

*INFORMATION TECHNOLOGY INTERN* *June. 2019 - Aug. 2019*

• Once a week had the opportunity to work with different city departments in understanding how they all work cohesively.
• Shadowed Database Administrators – Learned security protocols and fundamentals of databases (SQL and Oracle).
• Shadowed and assisted Application Developers.
• Summer-long project on making the city departments more efficient in terms of budget – Idea presented: Employee Cross Training to make up for the lack of staff in certain departments.

**Konain** *Houston, TX*
*FINANCE INTERN* *June. 2018 - Aug. 2018*
• Created invoices through QuickBooks.
• Managed inventory through Atrex.
• Assisted in strategizing product distribution.

## Projects

*2019 Stock Market Calculator – **Python***

• Calculates the best day to buy and sell stocks.
• Returns an estimated amount of profit and loss.

*Bank Project – **C++***

• Focused on practicing the implementation of Data Structures.
• Services provided rival a real bank with an underlying admin system.

*Tai's Kitchen – **Front and Backend***

• An eCommerce site that allows users to browse and order meals