

# Muhammad Ammar

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## EDUCATION

### B.S. Computer Science

University of Washington – Seattle, WA  
Expected Graduation: December 2023

## RELEVANT COURSEWORK

Data Structures and Parallelism  
Software Design and Implementation  
Systems Programming

### A.S. Associate in Science

Shoreline Community College – Seattle, WA  
Graduated with Honors: June 2020 with 3.9 GPA

## TECHNICAL SKILLS

**Languages:** Java, C, C++, Python, Typescript, PHP, SQL, HTML, CSS.

**Tools:** Tensorflow, Pytorch, Git, React, Node.js, Microsoft SQL Server, openCSV, Jsoup, Spark server, Jekyll, Jupyter notebook, Colab, Linux.

## PROJECTS

### Car Classification

- Compared training and testing accuracy of different neural networks.
- Achieved 99% training and 87% testing accuracy with Resnet on Stanford's Car dataset.

### UW Pathfinder

- Used Spark for backend and React for frontend.
- Implemented Dijkstra's algorithm to find the shortest path between two campus buildings.

### Web Scraper

- Used Jsoup and openCSV to read and extract data from URLs.
- Outputs performance metrics of vehicles tested by an automotive magazine.

### Marvel Connections

- Used Spark for backend and React for frontend.
- Used Breadth-First-Search algorithm to find connections between two marvel heroes.

## WORK EXPERIENCE

**Teaching Assistant** | Shoreline Community College | October 2019 – April 2020

- Assisted teachers in lectures and helped students succeed in class.

**FC Associate** | Amazon | July 2020 – August 2021

- Solved problems efficiently and quickly to fulfill orders on time.

## VOLUNTEER & LEADERSHIP

**Brand Ambassador** | NKMUN, Pakistan | May 2016 – July 2016

- Promoted debate and social events through social media and managed ticket sales.