

Muhammad Hasin Shabbir

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EDUCATION

New York University Abu Dhabi (NYUAD)

Abu Dhabi, UAE & New York, USA

B.S. in Computer Science, minors in Mathematics & Economics

August 2019–May 2023

GPA: 3.893/4.00

Relevant Coursework: Algorithms and Data Structures, Applied Machine Learning, Networks, Operating Systems, Applied Internet Technology, Parallel Computing, Computer System Organisations, Software Engineering, Projects in Data Science, Database Design & Implementation, Multivariable Calculus, Probability & Statistics, Linear Algebra

PROGRAMMING SKILLS

Skilled In: Python, C++\C, JavaScript, React, NodeJS, Express, MySQL, MongoDB, Pandas, scikit-learn, Git

Familiar With: PyTorch, Sqlite, Flask, Sockets, JQuery, ggplot, Matplotlib, Heroku

WORK EXPERIENCE

Software Engineer Intern

July 2021 – January 2022

Manaky

Seattle, USA (Hybrid)

- Led the website's performance optimization resulting in a 15% improvement in website performance by reducing **network payloads**, and fixed dynamic loading of **React** components.
- Integrated 1 new **service worker** and extensive **cache policy** in the **Node** backend to convert the web application to a **Progressive Web App** and initiate mobile app development.
- Worked with developer team to integrate Stripe payment platform through 5 **REST APIs** and create a new bidding system for marketplace expansion.
- Generated 20+ data visualizations and 2 analysis reports on user interactions on the website using **Python** and related libraries including **Pandas** and **Matplotlib**.

Full Stack Development Lead

Sept 2022 – Present

Sawar-e

Karachi, PAK (remote)

- Leading a team of 5 and collaborating with the business development team to conduct requirement gathering for launch of the product website
- Working on a Full-Stack Web Application using the **MERN** stack in combination with **REST APIs** to create a product sale and customer support web platform.

Unix Lab Tutor

January 2022 – Present

New York University Abu Dhabi

Abu Dhabi, UAE

- Helped 100+ students with their homework, labs, recitations and exams for Computer Science courses and other computer related queries by maintaining 15+ tutoring hours per week
- 90% ratings of 9+ (on a 10-point scale) for assistance with algorithmic problem solving, software development and bug fixes, and training for competitive programming.

Front-end Development Intern

June 2021 – August 2021

Technovier Software House

Lahore, Pakistan

- Created 4 **React**-based templates with **Redux**, **Firebase**, and **MaterialUI** to be integrated with server-based and serverless applications.
- Tested and adjusted 80+ **React** components and **JavaScript** functionality for cross-browser compatibility and responsive web design.

Leadership & Community Involvement

President

June 2022 – Present

Pakistan Students Association, NYUAD

Abu Dhabi, UAE

- Working with Student Government, Student Affairs, and Dean of Students for a flood relief initiative in collaboration with the Pakistan Association Dubai.
- Planning and organizing of extra-curricular events for the largest Student Interest Group in collaboration with different university departments and the Embassy of Pakistan.

Vice-President

Aug 2019 – May 2020

SEDS Aerospace Club at NYUAD

Abu Dhabi, UAE

- Collaborated with International chapters of the SEDS Aerospace Club for programming around the Aerospace Industry.

AWARDS AND HONORS

Google Hashcode: 4th in the UAE, 5th in Pakistan in the Extended Round

March 2021

NYUAD International Hackathon: Nominated for University Representation

April 2022