

Syed Hamza Ahmad

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United States Citizen currently completing education in Pakistan

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Education

Aug 2016 – June 2020 **BS Computer Science – CGPA: 3.793, SCGPA: 3.83**

Lahore University of Management Sciences – Lahore, Pakistan

- **Relevant Courses Taken:** Data Structures, Algorithms, Software Engineering, Human-Computer Interaction, Advanced Programming, Data Science, Computer Vision, Network-Centric Computing
- Inducted in the Dean's Honor List 3 Times – 2016/17, 2017/18, 2018/19

Experience

June 2019 – Current

Business Analytics

Descon – Lahore, Pakistan

Provide insights on their profitability, turnover and bidding patterns, using various data science techniques. I have also created a fully functional dashboard in Python, for the upper management to oversee the progress of all ongoing projects.

Aug 2018 – Current

Head Teaching Assistant - Intro to Computer Science, Data Structures & Algorithms

Lahore University of Management Sciences – Lahore, Pakistan

Assisted instructors of the three course in the creation of graded instruments and implemented the automated testing of all (4) assignments in the Algorithms course from scratch to reduce checking times and maintain consistency.

June 2018 – Aug 2018

Software Engineering Intern

Paitoo Pvt. Ltd – Lahore, Pakistan

Worked with the Front-End Development team on the design of the application's features and screens using React Native.

Projects

Aug 2019 – Current

Gamifying Human-Plant Interaction

A purely HCI and Design based study in a team of five, to improve the interaction of humans and plants through gamification, involving detailed User Research, Conceptual design and UX design in the development of a **React-Native** Mobile application targeted towards children, teenagers and young adults.

Feb 2019 – June 2019

Restaurant Delivery Web-Application

Built and deployed a web application that catered for multiple restaurants in a team of five, using React JS, Node JS and MongoDB (**MERN**). I was able to reduce session authentication times through the application of JWT based authentication.

Aug 2018 – Dec 2018

Restaurant Management Database System

Designed and built a fully functional backend-system for a restaurant, using **JavaScript** and **SQL**, completely digitizing the whole experience of their customers.

Technical Skills

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| • Languages | C/C++, Python, JavaScript (NodeJS), HTML5, CSS3 |
| • Frameworks & Libraries | React, React Native, Pandas, OpenCV, SciKit Learn |
| • Databases | Firestore, MongoDB, MySQL |
| • Hosting Services | Heroku, Firebase, Google Cloud Services |
| • Miscellaneous | Git, Trello, Slack, Adobe XD, Excel, Jupyter Notebooks |

Extra-Curricular Activities and Interests

- Event Management and Leadership opportunities
- Played for the college Soccer team