

Usman Amin

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EDUCATION

University of Rochester

Bachelor of Science, Computer Science

Rochester, NY

Expected May 2022

Courses: Database Systems, Operating Systems, Computer Networks, Collaborative Programming & Software Design, Web Programming and Mobile App Development

SKILLS

- **Languages:** Python, Java, JavaScript, HTML, CSS, and SQL
- **Frameworks & Technologies:** AWS, Pandas, Linux, React & React Native, Sass, MySQL, PostgreSQL, GraphQL, and Docker

EXPERIENCE

Blanche Media Inc.

Backend Developer

Toronto, Canada

Jan 2021 – Jul 2021

- Developed a data pipeline for Instagram to increase usernames scraped by 100x using Pandas and APIs to bypass Instagram's bot detection technology more efficiently. Written in Python and launched on AWS Lambda.
- Designed a general serverless scraping architecture to scrape the data of 20,000+ usernames from various social media platforms daily in Python.
- Ensured robustness and quality execution by maintaining processes on AWS with services such as SQS and EventBridge, resulting in 20% less failures.

Aibers Health Pvt. Ltd.

Full Stack Developer Intern

Islamabad, Pakistan

Dec 2020 – Jan 2021

- Developed full stack for a AI-backed web application to be used by hospitals throughout Pakistan.
- Wrote script to configure Linux server for local web deployment and testing. Used by entire company.
- Enhanced user experience by creating 15 different interactive and animated components in React.
- Improved modularity by refactoring React components.
- Introduced Sass to the frontend stack and implemented it.
- Improved design and performance of iOS app version by leading beta testing and coordinating with team members.

Arravon Technologies Inc.

Frontend Developer

Toronto, Canada

Jun 2020 – Aug 2020

- Developed frontend for a student life directory and virtual orientation experience app used in several colleges throughout Canada in React Native.
- Developed backend for internal messaging system by utilizing Hasura and GraphQL

SkyElectric Pvt. Ltd.

Mobile App Development Intern

Islamabad, Pakistan

Jun 2017 – Jul 2017

- Developed iOS applications using Swift.
- Provided assistance on first level troubleshooting of processes to help desk staff.
- Consistently met deadlines and requirements for all production work orders.

PROJECTS

VIRAL

Cryptocurrency

Rochester, NY

May 2021 - Jun 2021

- Personally developed a deflationary, micro-cap DeFi token for the BSC blockchain in Solidity.
- Solely coordinated its launch, debuting at a price 10x higher than the average micro-cap by uniquely featuring automated liquidity generation and redistribution to holders on every trade.
- Contract Address: 0x9623e8969a4761c287dDe6134e99188eED60434A