Usman Amin

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EDUCATION

University of Rochester	Rochester, NY
Bachelor of Science, Computer Science	*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.	Toronto, Canada
Backend Developer	*Jan 2021 – Jul 2021*

- Developed a scalable 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.	Islamabad, Pakistan
Full Stack Developer Intern	*Dec 2020 – Jan 2021*

- Developed full stack for an 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.	Toronto, Canada
Frontend Developer	*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.	Islamabad, Pakistan
Mobile App Development Intern	*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	Rochester, NY
Cryptocurrency	*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