

SHUBHANKAR VALIMBE

Buffalo, NY

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Education

University at Buffalo, The State University of New York

GPA: 3.53/4.00

Bachelor of Science in *Computer Science*

Technical GPA: 3.56/4.00

Relevant Coursework

- Web Applications
- Blockchain
- Algorithms Analysis
- Applied Statistics
- Data Mining
- Machine Learning
- Data Structures
- Systems Programming

Projects

Drug Origin Tracer (DOT) | *Solidity, JavaScript, HTML, CSS*

November 2022

- Developed an Ethereum-based DApp for chain of custody record tracing at each level of the medical drug supply chain.
- Designed smart contracts in Solidity to verify a drug's origin at each level and store the transaction on the blockchain.
- Built the UI in ReactJS, interacted with the blockchain using the web3 JS API and deployed an ERC20 token (DOT).
- The efficiency of obtaining data insight about inventory and stock levels throughout the supply chain increased by 70%.

Self-Diagnosis App | *Python, JavaScript, HTML, CSS*

August 2022

- Built a web app in JS, HTML and CSS that allows the user to diagnose themselves by inputting their symptoms.
- Cleaned and preprocessed the dataset into a csv file and generated a simulated data for training and testing.
- Implemented data mining algorithms such as K-nearest neighbors, Bernoulli Bayes and Logistic regression in Python.
- The accuracy of trained data used for prediction models reached up to 98% which reduced chances of a misdiagnosis.

Chat App | *Python, JavaScript, HTML*

December 2021

- Created a chat app using React.js where users can text and share media content (images, audio, video) with each other.
- Implemented a TCP socket server and an HTTP server which parsed raw HTTP requests and sent appropriate responses
- Applied RESTful API providing CRUD operations for users and offered security against HTML injection attacks.
- Maintained user's chat history using MongoDB database and utilized cookies to provide user authentication.

Gym Reservation Bot | *Python, Selenium, Google Cloud Console*

May 2021

- Developed an automatic bot using Python and Google Cloud Console to register myself for a timeslot at my local gym.
- Implemented Selenium to create an instance of Chrome in order to interact with the correct elements of the web page.
- Created a Linux virtual machine to run on Google Cloud so that the program is able to run everyday from the cloud.
- Used Cron to schedule the program to execute automatically at 11 AM every morning so a reservation is made for me.

Experience

Ruffalo Noel Levitz

Sept 2020 – May 2022

Engagement Ambassador

Buffalo, NY

- Promoted campaigns and events to raise money and other kinds of donations by exhibiting social selling skills.
- Worked in a team environment to raise over **\$1,000,000** by maintaining positive relationships with donors.
- Researched potential donors to gain insight into needs, beliefs and donation habits to increase contributions by 15%.

Technical Skills

Proficient Languages: Python, Scala, JavaScript, HTML/CSS

Previous Experience: C, C++, Java, TypeScript, Solidity

Developer Tools: VS Code, IntelliJ IDEA, Emacs, Anaconda, Jupyter, Repl.it, Docker

Technologies/Libraries: React.js, NumPy, jQuery, Figma, Matplotlib, Web3, Heroku, SQL, MongoDB, Git

Leadership / Extracurricular

UB ACM [Association for Computing Machinery]

Fall 2021 – Present

Vice Chair

University at Buffalo

- Hosted organized biweekly HackNights where members developed socially relevant projects for underprivileged people.
- Revamped and promoted the HackNights to new students and improved member participation by 25%.
- Maintained a working relationship with the ACM parent branch and managed the Education and Audit Committee.