

VRUSHTI MODY

☎ 413-594-0500 🌐 vrushtimody.me ✉ vmody@umass.edu 🌐 vrushti-mody 🌐 vrushti-mody

Education

University of Massachusetts, Amherst

Master of Science in Computer Science

Expected: May 2023

CGPA: 3.6/4

Experience

BitGo Inc.

May 2022 – Sept 2022

Software Engineer Intern, Data and Billing

Palo Alto, CA

- Wrote Billing APIs using Node.js, MongoDB, SnowflakeDB and AWS to effectively store and retrieve billing reports that reduced computation (recalculation) cost by 100% and also helped with debugging issues in bills generated
- Refactored code in large files with around 1000 lines by code by breaking them into smaller files and helper files, typescriptifying them and optimising its functions.
- Investigated sources of potential revenue leakage, suggested and worked on potential fixes and catered to billing related requests from other departments and clients.

Reich Lab — University of Massachusetts, Amherst

Aug 2021 – May 2022

Research Assistant

Amherst, MA

- Worked on improving the accuracy of two models - ensemble and baseline for covid-19 forecast prediction. Created a vizualisation dashboard for the forecasts.
- Wrote, documented, and tested R and python code to create unit-tested data visualisation and ML software packages.
- Maintained lab website content, infrastructure and integrations with a PostgreSQL database, and built and maintained data-driven interactive web applications using javascript and d3.
- The lab's covid-19 ensemble forecast is analyzed by, and communicated to the general public by CDC.

Holosuit Pte. Ltd.

May 2020 – Apr 2021

Software Development Engineer

Remote

- Developed the frontend and backend for [HoloEducation](#) using AngularJS and Nest.js with CockroachDB for storage. it is an immersive practical education platform for educational institutions which facilitates a shared teaching and learning experience from scratch.
- At that point in time, the website hosted over 500 courses/workshops/webinars that benifitted more than 20,000 students.

Projects

Productive.ly – Remote Collaborator | *React.js, Node.js, GithubAPI, GraphQL, MongoDB*

Feb 2021

- Productive.ly is a gamified sprint system to make open source contribution and team collaboration more fun.

JamSpam – GithubBot | *Tensorflow, Probot, Javascript, Python*

Oct 2020

- A Machine Learning powered GitHub Bot to block spam Pull Requests on your repository.

Apply by AI – Recruitment Platform | *IBM Watson, Node.js, MongoDB, WebRTC, Socket.io*

Apr - June 2020

- The application parses resumes to extract relevant skills and has a bot for preliminary interviews and uses skill matching, personality insights and hybrid filtering to recommend potential candidates.

Technical Skills

Languages: Python, Java, C/C++, JavaScript, PHP

Software Development AngularJS, Vue.js, React.js, Kafka, Bootstrap4, EJS, Sass, Node.js, Django, PHP

Databases: mySQL, SQLite, MongoDB, Postgresql, CockroachDB

ML Frameworks: Pandas, NumPy, Scikit-learn, Matplotlib, Tensorflow, NLTK, PyTorch

Achievements

- *Winner-* MLH's Hack from the Past Hackathon
- *Winner-* MLH's Surprise Hacks Hackathon
- *Winner-* NMIMS's Sparakthon Hackathon
- *Winner-* WicksHacks Hackathon
- *Meritorious Student Award* - top 10% of the department
- *Winner-* HackerEarth's Recruit-a-thon Hackathon
- *Economic Times Campus Star*
- *Winner-* IBM Hack Challenge, 2019

Volunteering and Leadership

Speaker: Introduction to Open Source at D. J. Sanghvi's College of Engineering GitUp, Women In Technology at BIT Sindri University (2021)

Volunteer and Mentor: Script Winter of Code (2020), PClub Summer of Code (2020)