

# VRUSHTI MODY

☎ 413-594-0500

🌐 [vrushtimody.me](https://vrushtimody.me)

✉ [vmody@umass.edu](mailto:vmody@umass.edu)

🌐 [vrushti-mody](https://vrushti-mody)

🌐 [vrushti-mody](https://vrushti-mody)

## Education

**University of Massachusetts, Amherst**

*Master of Science in Computer Science*

**Expected: May 2023**

*CGPA: 4/4*

**NMIMS University**

*Bachelor of Technology in Computer Engineering*

**2016-2020**

*CGPA: 3.5/4*

## Experience

**Reich Lab — University of Massachusetts, Amherst**

**Aug 2021 – Present**

*Research Assistant*

*Amherst, MA*

- Wrote, documented, and tested R and python code to create unit-tested 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.**

**Sept 2020 – Apr 2021**

*Software Development Engineer Intern*

*Remote*

- Developed the frontend and backend for [HoloEducation](#), an immersive practical education platform for educational institutions which facilitates a shared teaching and learning experience from scratch.
- The website hosts over 500 courses/workshops/webinars that have benefitted more than 20,000 students.

**Data as Services**

**March 2020 – August 2020**

*Junior Data Scientist Intern*

*Remote*

- Used Neural Algorithms like CNN, RNN and NLP Frameworks namely Word2Vec, BERT to help various pages of a website connect together and rank better in organic reach. Wrote technical blogs, and maintained [their website](#).

## Projects

**HealthHub – Fitness Manager** | *Node.js, MongoDB, Socket.io, GoogleFit API, Spoonacular API*

**Mar 2021**

- HealthHub helps incorporate small changes into your daily habits, to make a big impact on your eating pattern and create lasting, healthy eating habits.

**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, Bootstrap4, EJS, Handlebars, Pug, 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)

**Volunteer and Mentor:** Enactus, a global non-profit and community of students committed to using the power of entrepreneurial action to transform lives (2017-2019)