

# Nilay Sadavarte

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## Education

### University of Massachusetts, Amherst

Aug 2017 – May 2021

BACHELOR OF SCIENCE IN COMPUTER SCIENCE & STATISTICS

- GPA: 3.5 | Commonwealth Honors College | Chancellor's Scholarship | Dean's List
- Related Coursework: *Software Engineering & Design, Database Systems, Algorithms, Computer Systems Programming, Discrete Math & Computation, Math Modeling, Functional Programming, Statistics, Calculus, Data Structures & Algorithms*

## Experience

### The Learning Resource Center, UMass Amherst

Amherst, MA

TECH LEAD

Sept 2019 – Present

- Working on maintaining the codebase of a Tutoring Scheduling Platform for a staff of over 400 which is used by approximately 1000 students per week and also redesigning the official website.
- Debugged errors in the legacy code and wrote scripts to search for redundancies in the MySQL database. Also refactored certain components to Node.js from PHP.

### Uber

San Francisco, CA

SOFTWARE ENGINEERING FELLOW

Apr 2019 – Present

- Part of Uber's Career Prep Program, accepted as one of 30 fellows selected from a pool of over 800 applicants based on leadership potential, technical skills, and personal achievement
- Completed regular assignments and attended frequent workshops taught by Uber engineers at their HQ. Worked on projects with the backend engineering team, ATG team and the payments team.

### BUILD UMass

Amherst, MA

CO-FOUNDER & PRESIDENT

Sept 2018 – Present

- Started the organization with a focus on software engineering and web development for non-profits and small businesses and grew it to over 37 members in 3 semesters, collaborated with the university and student government to get funds.
- Led a team of 4 software developers to build an HR management system. Currently supporting 5 teams during client meetings, execution strategies, and code reviews with for web and mobile applications.
- Led technical workshops for over 200 students at various hackathons and organized several career development events.

### UMass Residential Life

Amherst, MA

RESIDENT ASSISTANT

Aug 2018 – Present

- Managed a floor of 95 first-year students at Van Meter Hall and helped them with their transition to college.
- Worked on community development, student learning initiatives, and incident response. Designed awareness posters and acted as a social and academic role-model.

### Greeno Sub Shop

Amherst, MA

CO-MANAGER

Sept 2017 – Present

- Designed the website to look more modern and be user-friendly and added analytics plugins. Wrote scripts to automate payroll functions and prepared mathematical models to track sales.
- Worked on the logistics team and coordinated opening and closing dates along with security access and timings.

## Skills

**Languages:** Java, JavaScript, C, Python, Node.js, HTML/CSS, React.js, R, SQL, Swift

**Development:** GitHub, Git, LaTeX, FileZilla, Google Cloud, MongoDB, Agile, Scrum

## Projects

### HR Bot

- Designed a slackbot using Node.js to keep track of brownie points a member may receive each week. Uses basic NLP techniques to parse user messages and figure out who's receiving points and how many. Deployed on Google Cloud.

### Work Force Development

- Worked with a team to build a HR management web application for UMass Auxiliary Services with a staff of over 2000 workers. Used HTML, CSS, JavaScript to design and build the front-end and used Google Cloud for back-end services.
- The platform implements a scoring algorithm which rates applicants based on their skills and compares them to others.