

# Roshan Praveen Shetty

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## EDUCATION

### University of Massachusetts, Amherst

Master of Science in Computer Science

Amherst, MA

Graduation Date: May 2023

### University of Massachusetts, Amherst

Bachelor of Science in Computer Science

Amherst, MA

Graduation Date: Dec 2021

## WORK EXPERIENCE

### Tata Consultancy Services

Software Engineer

Amherst, MA

Oct 2023 - Present

- Coordinated with over 5 teams at Kaiser Permanente to develop various tools aimed at enhancing support
- Deployed automation solutions, saving over 250 monthly labour hours, improving workflow efficiency by 15%.

### University of Massachusetts Amherst CICS

Software Architect

Amherst, MA

Jan 2023 - May 2023

- Partnered with a professor to build a PaaS, streamlining project-based learning for over 200 students.
- Incorporated Slack, GitHub, and Excel, improving data management for 50+ course modules and 300+ assignments.

### U-Tutors

Lead Full Stack Developer

Amherst, MA

Jan 2023 - May 2023

- Engineered a student-to-student tutoring platform with a user-friendly interface, increasing user engagement by 30%.
- Fortified platform security, enhanced user experience, and elevated user engagement through targeted marketing.

### GRUBBRR

Full Stack Developer Intern

Boca Raton, FL

Jun 2022 - Dec 2022

- Devised and launched a Menu Builder Tool with over 10 features, including Excel interface.
- Improved system performance by 20% by transitioning to a Svelte model with data immutability and consistency.

### Tata Consultancy Services

Business Analyst Intern

Amherst, MA

Jun 2021 - Aug 2021

- Analyzed time series data for L'Oréal using Python providing insights guiding over 12 product development decisions.
- Integrated and optimized machine learning models, achieving an average accuracy rate of 93%.

### University of Massachusetts Amherst SBS

Full Stack Developer

Amherst, MA

Jun 2021 - Aug 2021

- Spearheaded the development of a web application for DACSS, improving data management efficiency by 15%.
- Directed a team of 5+ developers to design and deploy interactive data visualizations using R.

## PROJECT EXPERIENCE

### RateMyDining

Full Stack Team Lead

Amherst, MA

Jan 2023 - May 2023

- Architected a React Native application, enabling 1,000+ students to rate and review dining experiences.
- Implemented a scalable backend for real-time menu updates and integrated student dining feedback.

### Interviews Commonality

Full Stack Team Lead

Amherst, MA

Sep 2022 - Dec 2022

- Teamed with an FBI agent to develop a React Native mobile app, streamlining witness interviews for child rescues.
- Integrated microservices with FastAPI and Docker, integrating ML for real-time analysis with 91% accuracy.

## SKILLS

React, Svelte, Typescript, Javascript, Angular, Python, Java, R, C++, PostgreSQL, MongoDB, Swift, Firebase, Azure