

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

- Collaborated with multiple teams at Kaiser Permanente to develop various tools aimed at enhancing support
- Implemented automation solutions, saving 100+ monthly labour hours, improving workflow efficiency by 15%.

University of Massachusetts Amherst CICS

Software Architect

Amherst, MA

Jan 2023 - May 2023

- Collaborated with a professor on designing and building a PaaS aimed at streamlining project-based learning
- Created wireframes of the user interface and experience, iterated on designs through user feedback and testing.

U-Tutors

Lead Full Stack Developer

Amherst, MA

Jan 2023 - May 2023

- Designed and implemented a student-to-student tutoring platform with an intuitive UI and payment systems.
- Enhanced platform security, improved UX, and boosted user engagement through marketing

GRUBBRR

Full Stack Developer Intern

Boca Raton, FL

Jun 2022 - Dec 2022

- Designed Menu Builder Tool with dynamic data nesting and 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

- Conducted EDA on time series data using Python to determine optimal machine learning algorithms.
- Implemented Random Forest Algorithm in machine learning models with an average accuracy of 93%.

University of Massachusetts Amherst SBS

Full Stack Developer

Amherst, MA

Jun 2021 - Aug 2021

- Created a full-stack Shiny application for DACSS faculty to manage school data.
- Created interactive data visualizations using R and published them on the UMass Amherst website

PROJECT EXPERIENCE

Interviews Commonality

Full Stack Team Lead

Amherst, MA

Sep 2022 - Dec 2022

- Collaborated with an FBI agent to create a mobile app in React Native, streamlining witness interviews in child rescue cases.
- Developed 5 containerized microservices using FastAPI and Docker, integrating machine learning for in-app recording, transcription, and analysis with 98% accuracy.

RideShare

Full Stack Team Lead

Amherst, MA

Sep 2021 - Dec 2021

- Built a website using ReactJS to streamline communication between students seeking ride-sharing.
- Implemented 10+ microservices using Node.js and Docker, ensuring seamless communication

SKILLS

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