

Shriya Gautam

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EDUCATION

University of Massachusetts Amherst

Expected Graduation: May 2027

B.S in Computer Science, B.S in Mathematics

GPA: 3.83

Honors: Dean's List, Chancellor's Scholarship Recipient, NCWIT Rising Star Award Winner

Coursework: Data Structures and Algorithms, Computer Systems, Discrete Mathematics, Object Oriented Programming

RELEVANT EXPERIENCE

University of Massachusetts Amherst

May 2024 - Current

Undergraduate Course Assistant

Amherst, MA

- Collaborates with faculty and graduate TAs to organize discussion sections, host office hours, and grade assignments, enhancing learning outcomes for 200+ students in the Data Structures course

GE Healthcare

May 2024 - Aug 2024

Cloud Software Engineering Intern

Seattle, WA

- Designed and developed Generative AI-powered developer tools to perform automated code reviews and security checks across software teams, improving code quality and security
- Collaborated with cross-functional teams to integrate the tool within existing CI/CD frameworks, resulting in a reduction in manual review time and greater team efficiency

OpenEXA

Aug 2022 - June 2023

Development Intern

Seattle, WA

- Implemented 15 financial dashboards powered by machine learning with Google Data Studio and Python, creating data-driven visualizations that enabled clients to make informed business decisions
- Crafted front-end page designs for OpenEXA main website and 2 other applications, including a crypto token swapping application using the Uniswap API

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, HTML, CSS, C#

Frameworks and Libraries: React.js, Tensorflow, Langchain, Matplotlib, Keras

Tools: Git, Linux, AWS (Sagemaker, S3), Docker, Jira, CI/CD

PERSONAL PROJECTS

FlashForward | JavaScript, HTML, CSS, React.js


Feb 2024

 [FlashForward](#)

- Engineered a full-stack web application using React.js to create a platform for students to create and study virtual flashcards.

Satellite Image Analysis | TensorFlow, Keras, Python

Oct 2022 - Jan 2023

 [Satellite Image Neural Network](#)

- Implemented a machine learning model (Convolutional Neural Network) to classify satellite images based on ecological characteristics to assist in environmental monitoring and resource management
- Achieved a 92% accuracy of the model in classifying satellite images as desert, forest, ocean, or cloud cover

LEADERSHIP AND AFFILIATIONS

Breakthrough Tech AI Fellow

May 2024 - Current

- Selected from 3000+ applicants to participate in a 12-month program including Machine Learning coursework with MIT faculty, experiential learning, mentorship from industry professionals, and career development events

Responsible Technology Coalition Organizer

Nov 2023 - Current

- Facilitated 5+ events per semester centered on public interest technology and promoting ethical considerations in tech development

Rewriting the Code Member

Aug 2023 - Current

Grace Hopper Celebration 2024 Attendee

Oct 2024

- Awarded a full-ride scholarship to attend by the College of Information and Computer Sciences