Shriya Gautam

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EDUCATION

University of Massachusetts Amherst *Expected Graduation: May 2027*

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

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

Coursework: Data Structures and Algorithms, Machine Learning, Computer Systems, Computer Networks, Discrete Mathematics, Databases, Software Engineering, Object Oriented Programming

RELEVANT EXPERIENCE

NVIDIA Corporation *May 2025 - Aug 2025*

Systems Software Intern Santa Clara, CA

– Engineering internal projects in the AI for Gaming team, using technologies like Stable Diffusion and Generative AI to enhance the gaming experience for users

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 Generative AI-powered developer tools with Python, Langchain, and AWS Sagemaker to perform automated code reviews and security checks across software teams, improving code quality and security
– Integrated tools within existing CI/CD frameworks using Docker, Gitlab CI, and Artifactory, resulting in a 60% reduction in manual review time and greater team efficiency

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, TypeScript, HTML, CSS, C#, Matlab, SQL
Frameworks and Libraries: React.js, Langchain, Pandas, Scikit-learn, Matplotlib, Tensorflow, Keras, NumPy
Database Management: MySQL, PostgreSQL, MongoDB
Developer Tools: Git, Linux, AWS (Sagemaker, EC2, S3), Spring Boot, Docker, Jira, VS Code

PERSONAL PROJECTS

Landslide Prediction Model | Matlab, Python *Aug 2024 - Dec 2024*

 Landslide Prediction CFNN

– Implemented a machine learning model (Cascade Forward Neural Network) to identify areas of high landslide risk based on geological features

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.

LEADERSHIP AND AFFILIATIONS

Break Through 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
– Worked with engineers from Mathworks to develop machine learning applications using Matlab

MassAI Vice President *Aug 2024 - Current*

– Organized logistics for a AI/ML student organization with 50+ members. Coordinated weekly lectures on machine learning topics for club members and facilitated club-led projects
– Planned and executed 4+ career and networking events per semester for members to learn from industry experts and researchers in the area of ML

Rewriting the Code Member *Aug 2023 - Current*