Urvi Gupta

(551) 208-6658 | urvigupta.cs@gmail.com | linkedin.com/in/urvi-guptaa | urvigupta.vercel.app | github.com/Urvi-Gupta06

EDUCATION

University of Massachusetts Amherst *Exp. Graduation: May 2028*
Honors B.S. in Computer Science with Business Minor & Letter of Specialization in Creative Writing *GPA: 3.9/4.0*
Early Research Scholars Program (ERSP) Fellow, AI4All Machine Learning Fellow
Coursework: Data Structures & Algorithms, Object-Oriented Programming, Linear Algebra, Calculus, Financial Accounting
Awards: Best Beginner Hack at Hack(H)er413 2025, Dean's List, Chancellor's Award Scholarship

PROJECTS

PennyWise | Django, Python, SQLite, Node.js, JavaScript, CSS, HTML, Git
github.com/Urvi-Gupta06/PennyWise
- Led a 6-person team to develop a full-stack MVP of a smart student budgeting platform under 24 hours, winning the Best Beginner Hack among 45+ projects.
- Implemented Django views and models with SQLite to handle transactions and fund allocation across budgeting features.
- Built an interactive dashboard to visualize financial data using JavaScript and Node.js for real-time loan tracking.

Customizable Portfolio Website Template | React.js, Vite, JavaScript, Tailwind CSS, HTML, TanStack Router, Git, Vercel
github.com/Urvi-Gupta06/Customizable-Portfolio-Website-Template
- Developed a customizable portfolio template, enabling students to personalize and deploy websites for job applications.
- Implemented a clean and responsive frontend using Tailwind CSS, optimizing for various devices and screen sizes.
- Built interactive UI components and animations like background effects and dark mode with React.js and Tailwind CSS.
- Integrated a React-based chatbot that includes a keyword-triggered tour of the website using TanStack Router.

Data Management System - Volunteer program developer for local non-profit | Python, Tkinter, MySQL
- Conducted interviews across a varying pool of users, from doctors to clerks, to inform iterative improvements.
- Developed a program with 10 unique features tailored to a local hospital's needs to store patient records.
- Engineered Python-MySQL backend to eliminate 500+ redundant entries and reduce retrieval time by 40%.

EXPERIENCE

Manning College of Information and Computer Sciences, Amherst, MA *May 2025 - Present*
Undergraduate Course Assistant, Object Oriented Programming
- Provided academic assistance to 300+ students in mastering concepts like Abstraction, Inheritance, Polymorphism, Encapsulation, and Time Complexity Analysis.
- Automated Gradescope imports by cleaning CSVs and mapping student IDs to scores in Python (using pandas and dictionaries), cutting grading time by 20%.
- Led technical labs and live code debugging for 30+ students, strengthening error-handling and problem-solving skills.

UMass Amherst Information Technology, Amherst, MA *Aug 2024 - Dec 2024*
IT Student Intern
- Streamlined user flows, analyzed feedback and improved usability of IT platforms like Service Catalog and Student Hub.
- Optimized resource lookup process by 60% by removing redundant steps, thus reducing navigation time.
- Implemented auto-filled forms with JavaScript and HTML, cutting average completion time by 50%.
- Resolved system errors and server crashes in real-time, reducing average downtime from 10 minutes to under 6 minutes for 200+ students.
- Created strategic digital content that led to 1,200+ post interactions; drove 300 additional website click-throughs and 150 new student logins.

SKILLS

Programming languages: Python, Java, JavaScript, SQL
Frameworks and Tools: React.js, Node.js, Django, MySQL, SQLite, Tailwind CSS, HTML, Git, GitHub, TanStack Router, JUnit, VS Code, Vercel, Canva

CO-CURRICULARS

HackUMass, Organizer: Leading strategic sponsor outreach and securing funding for UMass Amherst's largest tech event.
Women in Computer Science, Co-Chair: Mentoring initiatives for women in tech via workshops and events.
UMass Product, Member: Refining diverse product skills by participating in market research and mock product pitches.
Women in Business, Member: Interacting with industry professionals and alumni to gain investment insights.