

Sue Gurung

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EDUCATION

University of Massachusetts Amherst

Aug. 2024 – May 2027

Bachelor of Science in Computer Science & Informatics

Amherst, MA

- **Organizations:** Women in Computer Science, Society of Women Engineers, Society of Asian Scientists + Engineers
- **Coursework:** Algorithms, Object Oriented Programming, Calculus, Statistics, Discrete Math, Data Visualization

TECHNICAL SKILLS

Technical Skills: Software development, Project management, Data analytics, Data visualization

Languages: Python, Java, JavaScript, TypeScript, HTML, CSS, Excel, LaTeX, MySQL/Postgres, Tableau

Frameworks: React.js, Next.js, TailwindCSS, FastAPI, RESTful APIs, WordPress

Developer Tools: Git, GitHub, Postman, VS Code, Node.js, Vercel, Firebase, Supabase

Project Management: Microsoft Teams, Slack, AGILE/SCRUM

EXPERIENCE

Research Assistant

Feb. 2025 – Present

Advanced Learning Technologies Lab

Amherst, MA

- Developed teacher dashboards for the **Wearable Learning Cloud Platform (WLCP)** research project
- Designed database designs (**JSON/SQL**) for the WLCP platform for student performance tracking
- Collaborated with **30+** local educators to gather feedback and implement weekly QA meetings

Software Developer

Feb. 2025 – Present

BUILD UMass

Amherst, MA

- Led software development for **10+ person** teams for **local nonprofit organizations** and clubs at UMass Amherst
- Oversaw project planning and code reviews, ensuring on-time delivery of applications through **AGILE** workflows
- Boosted team productivity by **30%** by implementing **task-based sprint planning** and daily standups

Software Engineering Intern

Oct. 2024 – Feb. 2025

UMass Amherst Biology Department

Amherst, MA

- Designed and optimized 50+ websites for professors using **HTML/CSS** and **WordPress**, providing 25+ tutorials
- Led technical support for classroom technology, improving day-to-day operations for faculty
- Designed and prototyped low-fidelity and high-fidelity **Figma mockups** for professor webpages

PROJECTS

ASA Five College DataFest 🏆 | *Python, Tableau, SQL, SARIMA*

2025

- Won **Best Visualization** among **50+ teams** for **Tableau** dashboards on post-COVID recovery trends
- Built **ARIME model** regression model (**Python**) with **92% accuracy** for employment forecasting
- Processed **100K+** records using **BigQuery** and **Seaborn/Plotly** visualizations

UMass Photography Club 🏆 | *React.js, Next.js, Supabase, JavaScript, Vercel*

2025

- Built a platform for the **50+ club members** to upload, manage, and share images using **React.js** and **Next.js**
- Implemented secure user authentication and hosted photo gallery images with **Supabase** and **Vercel**

Skincare Explorer 🏆 | *React.js, Express.js, JavaScript, ShadCN UI, Tailwind CSS, Firebase*

2025

- Built a skincare app allowing users to browse, view ingredients, and submit reviews for Hack(H)er413 2025
- Created interactive UI components **React.js**, **JavaScript**, **ShadCN UI**, and **TailwindCSS**

Cafe Providence 🏆 | *React.js, Next.js, HeroUI, TailwindCSS*

2025

- Let front-end development of a cafe-finder web app with **Next.js** and **TailwindCSS** for Hack@Brown 2025
- Integrated front-end with Google Maps Places API and custom cafe recommendation system for users
- Managed code commit history with **Git** and **GitHub** and deployed to **Firebase Hosting**