

Vaishnavi Lokhande

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EDUCATION

University at Buffalo, The State University of New York

Expected May 2026

Bachelor of Science in Computer Science and Engineering

Buffalo, NY

- **Awards & Honors:** UB Transfer Scholarship (\$12,000) | NAMU Scholarship (\$14,500/year for three years) | Experiential Learning Grant (faculty-supported, \$800) | Dean's List (5 consecutive semesters)
- Transferred from Arizona State University (August 2022 - December 2024)

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript, TypeScript

Backend & APIs: Node.js, Express.js, RESTful API design, Authentication & Authorization

Databases & Systems: PostgreSQL, MySQL, Firebase, SQL schema design, Indexing, Linux

Tools & Engineering: Git, GitHub, Docker, CI/CD fundamentals, Performance optimization

CERTIFICATIONS

Azure AI Engineer Associate

[\[Microsoft certificate\]](#) | 2025

REST APIs | Model Deployment | Azure OpenAI | Generative AI | Agentic AI | NLP | RAG | Knowledge Mining

Azure AI Fundamentals

[\[Microsoft certificate\]](#) | 2025

Machine Learning Fundamentals | AI Workloads | Responsible AI | Computer Vision Basics | NLP Basics

Salesforce Developer Virtual Internship (SmartInternz)

[\[Salesforce certificate\]](#) | 2023

Apex | SOQL | REST APIs | Object-Oriented Programming | CRM Data Modeling

WORK EXPERIENCE

Internship, Department of AI Labs

Jun 2023 – Aug 2023

Brane Enterprises Private Limited

Hyderabad, India

- Co-led a 5-member team to build a **GPU-accelerated MobileNetV3 image classification system** for real-world currency recognition, improving multi-class accuracy from **60% to 89%** through data augmentation
- Optimized training and inference workflows to reduce GPU training time by 35%; delivered **production-ready code** under tight deadlines and earned a **paid return internship offer** for impact

PROJECTS

RecovR – Post-Surgery Recovery Platform [\[code\]](#)

2024

Swift (iOS) · Gemini AI API · Firebase Realtime DB · HTML/CSS/JavaScript

- Improved post-surgery monitoring and diagnostic visibility by building an iOS app and clinician dashboard that aggregated patient-written recovery logs, enabled real-time synchronization, and leveraged AI-assisted analysis to surface potential health risks missed by manual tracking

BookTrack Library Management System [\[code\]](#)

2024

React.js · Node.js · PostgreSQL · Jira · Git/GitHub

- Improved library search performance and system scalability by building a full-stack management platform with structured data models, optimized PostgreSQL schemas, and indexed queries, achieving a 35% increase in search efficiency and a 25% reduction in query latency

Additional Full-Stack Projects

2025

- **Neo-Paw-Itan (Pet Patrol)** [\[code\]](#) : Built a full-stack pet management platform with authenticated dashboards, relational MySQL schemas, and automated email reminders to centralize routines, health records, and shared pet data.
- **The Melting Pot** [\[code\]](#) : Built a responsive social recipe platform with modular frontend-backend integration and scalable filtering logic for dietary preferences, skill levels, cuisines, and user-generated content.

LEADERSHIP & TEACHING

Undergraduate Teaching Assistant, CSE 115, CSE 412, FSE 100

2024 – Present

Sponsorship Lead, UB Hacking

2025 – Present

Co-Chair / Public Relations Chair, ACM UB Chapter

2025 – Present

Member, Women in Computing (WiCS)

2023 – Present