Vaishnavi Lokhande

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SUMMARY

Software Engineer graduating June 2026 with experience building full-stack and ML-powered applications. Strong background in Python, TypeScript, RESTful APIs, Azure, and shipping production-ready systems through internships and academic projects. Seeking Software Engineer, Full-Stack, or ML Engineer roles.

EDUCATION

University at Buffalo, The State University of New York <div align="right">June 2026</div>
Bachelor of Science in Computer Science and Engineering <div align="right">Buffalo, NY</div>

- **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, SQL
Frameworks: React, Node.js, Express, REST APIs, Authentication/Authorization (JWT/OAuth)
ML/AI: PyTorch/TensorFlow, CNNs, Transfer Learning, Model Evaluation (Precision/Recall/F1), MLOps basics
Dev Tools: Git/GitHub, Docker, CI/CD, Linux, Unit Testing (PyTest/JUnit), Agile/Scrum, CI/CD workflows

CERTIFICATIONS

Azure AI Engineer Associate [Microsoft certified] | 2025
REST APIs | Model Deployment | Azure OpenAI | Generative AI | Agentic AI | NLP | RAG concepts | Azure ML
Azure AI Fundamentals [Microsoft certified] | 2025
Machine Learning Fundamentals | AI Workloads | Responsible AI | Computer Vision Basics | NLP Basics
Salesforce Developer Virtual Internship (SmartInternz) [Salesforce certified] | 2023
Apex | SOQL | SDLC | Object-Oriented Programming | CRM Data Modeling

WORK EXPERIENCE

Internship, Department of AI Labs <div align="right">Jun 2023 – Aug 2023</div>
Brane Enterprises Private Limited <div align="right">Hyderabad, India</div>

- **Built and shipped** a GPU-accelerated MobileNetV3 image classification system in Python, implementing an end-to-end pipeline (preprocessing → training → inference) that improved multi-class accuracy **60% → 89%** via architecture tuning and data augmentation
- **Optimized and productionized** training and inference workflows using modular Python code and Git-based version control, reducing GPU training time **35%** and delivering production-ready software under tight deadlines, resulting in a **paid return internship offer**

PROJECTS

RecovR – Post-Surgery Recovery Platform [code] <div align="right">2024</div>
Swift (iOS) · Gemini AI API · Firebase Realtime DB · HTML/CSS/JavaScript

- **Built and deployed** an iOS and web-based recovery platform used by **10+ test patients**, integrating real-time vitals logging, automated medication alerts, and AI-generated recovery reports, reducing manual tracking effort by **70%** and improving clinician response time through Firebase-backed synchronization

BookTrack Library Management System [code] <div align="right">2024</div>
React.js · Node.js · PostgreSQL · Jira · Git/GitHub

- **Developed** a full-stack library management system with optimized PostgreSQL schemas and indexed queries, improving search efficiency by **35%,** reducing query latency by **25%**, and delivering scalable inventory and member workflows through RESTful APIs and Agile collaboration

Additional Full-Stack Projects <div align="right">2025</div>

- **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] : **Developed** a social cooking platform with dietary and skill-level filtering, integrating a React frontend with Swagger APIs and a MySQL backend, delivered through Agile sprints and Figma-based UI design

LEADERSHIP & TEACHING

Teaching Assistant, CSE 115/412, FSE 100	2024 – Present
Sponsorship Lead, UB Hacking	2025 – Present
Co-Chair, ACM UB Chapter	2025 – Present
Member, Women in Computing (WiCS)	2023 – Present