

SACHIN SHRESTHA

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EDUCATION

University of Wisconsin - Green Bay

Green Bay, Wisconsin

Bachelor of Science Degree, GPA: 3.81/ 4.00 - Semester High Honors

Expected May 2027

- Double Major in Computer Science (AI) and Software Engineering
- **Relevant Coursework:** Programming in Python, Programming in C, Introduction to Software Design (Java), Computer Architecture, Advanced Calculus, Discrete Mathematics, Statistics

SKILLS

- **Languages:** Python, Flask, Django, React, Node.js, JavaScript, Java, C, SQL, R, HTML, CSS, LaTeX
- Leadership, Critical Thinking, Resilient, Communication, Problem Solving, Decision Making, Team Work

PROJECTS

Real Time PLC Monitoring System | Python, Flask, HTML, CSS, JavaScript

- Built a Flask web app for real-time PLC monitoring, integrating Allen-Bradley ControlLogix/SLC500 systems via pylogix/pycomm3 to collect data with 99.9% accuracy.
- Designed a multi-threaded Python backend, enabling live data visualization that reduced equipment downtime analysis by 40% for plant operators.

SecAPI | Python, Azure OpenAI

- Built "SecAPI," a secure Python-based CLI tool for encrypting and managing API keys locally, using AES encryption and a custom vault system to support automated, secret-free deployments.
- Integrated an AI agent powered by Azure OpenAI, enabling natural language interaction with the secure vault, allowing users to query and manage credentials using natural language.

IT Help Desk Agent | Microsoft Copilot Studio, Graph API

- Designed and deployed an AI-powered IT Help Desk agent using Microsoft Copilot Studio to automate ticket handling, troubleshooting, and employee support tasks.
- Reduced manual workload by implementing dynamic agent flows that handle password resets, device setup instructions, and common FAQs with minimal human intervention.

EXPERIENCE

Alive & Kickin' Pizza Crust

Green Bay, WI

IT Intern

Jan. 2025 - Present

- Redesigned vendor-facing web portals using React, Python/Flask, and Plotly to display real-time bulk ingredient inventory levels, improving supply chain visibility by 25% and reducing manual data entry errors.
- Developed Python automation scripts and AI agents to streamline IT Help Desk tasks, including email parsing, automated ticket logging, and smart responses to employee requests, reducing manual workload by 40%.

The College of Idaho

Caldwell, Idaho

IT Assistant

Jan. 2024 - May 2024

- Collaborated with IT security experts to assess network vulnerabilities and implement anti-spam measures for data protection.
- Managed two-factor authentication for college email accounts and assisted students with password resets for applications.

Event Coordinator, C of I Coding Club

Dec. 2023 - May 2024

- Organized hackathon, Treasure Hunt and website developing workshop to help students to solve complex problems and website building skills.
- Hosted coding night weekly to solve challenging programming questions to help students prepare for coding interview and also to gain problem solving skills.

Damauli Model Academy

Damauli, Tanahun

IT Manager

Mar. 2023 - Aug. 2023

- Developed and deployed a responsive school website using HTML, CSS, and JavaScript, improving access to academic resources and school updates.
- Oversaw IT operations, managed the school's ERP and IEMIS systems, and collaborated with staff to support digital literacy and streamline administrative workflows.