Sandesh Poudel

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EDUCATION

State University of New York at Plattsburgh, *B.S. in Computer Science* |Plattsburgh, NY
- **Minor**: Finance, Mathematics
- **Relevant Coursework**: Data Structure and Algorithms, Operating Systems, Machine Learning, Theory of Computation.
- **Graduated:** May 2025 **| GPA**: 3.96

SKILLS

Languages: Python, C#, C++, JavaScript, SQL
Frameworks & Tools: React, Qt, Flask, OpenCV, PostgreSQL, Node.js**,** Bootstrap, HTML5
Platforms: AWS, Esri ArcGIS, Git, Blender

PROJECTS

MetaScan – AI Face Recognition System – Python, Flask, OpenCV, Selenium
- Developed an automated Python + OpenCV pipeline with a Flask UI to detect, filter, and reverse search human faces from live video, improving image quality by 60% using sharpness and duplication filters for research on AR glasses privacy risks.

Meso-American Pathfinders – Python, ArcGIS, Data Visualization, MediaPipe, Pandas
- Built a machine learning classifier in Python to label 150,000+ city names with 98% accuracy, visualizing results in ArcGIS to reveal historical language patterns and trade paths for a cross-disciplinary research project.

Speech-to-Math Calculator – Python, Tkinter, SpeechRecognition, pyttsx3
- Developed a desktop app that converts spoken math queries to results, with support for voice feedback and advanced operations.

Live World Cup Scores – JavaScript, React
- Built a dynamic website using React and JavaScript to display real-time FIFA world cup scores, integrating APIs for live match data and team statistics.

Inventory Management – C++, QT, PostgreSQL
- Designed and implemented a desktop inventory tool using C++ (QT Framework) and PostgreSQL, enabling real-time order tracking, relational database queries, and efficient inventory updates for simulated small-business operations.

WORK EXPERIENCE

Student Technician – SUNY Plattsburgh ITS Helpdesk, Plattsburgh, NY   Aug 2023 – May 2025
- Provided frontline IT support to students and staff, troubleshooting technical issues efficiently via remote and in-person assistance.

Teaching Assistant – Thrive Scholars, Amherst, MA   June 2023 – Aug 2023
- Taught college-level Calculus to high-achieving high school seniors, enhancing their readiness for university coursework.

LEADERSHIP EXPERIENCE

Student V.P – SUNY Plattsburgh   Aug 2024 – May 2025
- Elected as Vice President of the Student Government, advocating for student interests and leading campus initiatives.