

Amul Poudel

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EDUCATION

Texas State University

Bachelor of Science in Computer Science (GPA: 4.0)

San Marcos, TX

Expected: May 2028

SKILLS

Languages: Python, HTML, CSS, C/C++

Frameworks & Tools: Django, Git, GitHub, Linux, WordPress, Pandas, Matplotlib, Scikit-Learn, NumPy

Data Science / ML: Machine Learning, Data Cleaning, Exploratory Data Analysis, Regression Analysis, Model Evaluation, Data Visualization

Other Skills: Social Media Handling, Digital Marketing, IT Support, System Administration, Video Editing, Canva, Public Speaking, Time Management

EXPERIENCE

Texas State University

Assistant to the Director of Facility Management

San Marcos, TX

Oct 2024 – Present

- Managed operations for sports and university events, including baseball, softball, cheer, commencement ceremonies, basketball, football, and soccer.
- Developed expertise in logistics, facility operations, and crowd management, ensuring smooth event execution.

INKK Engineering Solution Pvt. Ltd.

Engineering and 3D Printing Intern

Lalitpur, Nepal

Oct 2023 – Feb 2025

- Researched and implemented FDM 3D printing technologies, optimizing print quality and improving material efficiency.
- Managed and maintained 3D printers, troubleshooting hardware issues and ensuring smooth prototyping and production.

Waling Innovation Centre

AI and Robotics Club Member

Syangja, Nepal

Feb 2020 – Feb 2021

- Developed and implemented AI-driven robotics and automation projects, focusing on real-world machine learning systems.
- Researched and optimized robotic motion algorithms, enhancing sensor-based navigation and improving system efficiency.

PROJECTS

ResQMe — AI-Powered Emergency Response Platform

Award: SerpApi Community Engagement Winner (\$3,000), RiverHacks 2025, GitHub: ResQMe

Hackathon Project

2025

- Co-built an AI platform to streamline emergency reporting and response guidance, focusing on rapid triage and user safety.
- Collaborated in a multi-disciplinary team; earned top recognition for community impact and practical utility.

Hand Sign Detection (ASL A–Z)

Live: amulpoudel.streamlit.app

Computer Vision & Web Application

2025

- Implemented real-time alphabet hand-sign recognition using TensorFlow, OpenCV, and cvzone; supports webcam inference.
- Built a responsive Streamlit UI with `streamlit-webrtc` for low-latency video streaming and seamless user interaction.

Interactive Census Analytics Dashboard

Live: dashboard-census.streamlit.app

Data Visualization Dashboard

2025

- Developed an interactive geospatial dashboard in Plotly Express and Streamlit to explore regional population and literacy trends.
- Added filtering, drill-down tooltips, and map-based visualizations to enable quick, data-driven insights.

HONORS & AWARDS

Dean's List - Texas State University

Awarded for Academic Excellence (4.0 GPA) · Fall 2024, and Spring 2025

San Marcos, TX

2024 – Present

- Recognized for maintaining a **4.0 GPA**, demonstrating exceptional academic performance and dedication.
- Achieved **Dean's List distinction** by excelling in coursework and consistently ranking among the top students.