

Gaurav Subedi

📍 Arlington, TX · ✉ gxs2428@mavs.uta.edu · 📞 +1 (682) 559-2499 · 🔗 linkedin/gaurav-subedi · 🌐 gauravsubedi123.com.np

Education

The University of Texas at Arlington, BS in Computer Science

Aug 2024 - May 2028

- GPA: 3.8/4.0
- **Coursework:** CS50's Introduction with Python (edx), Fundamentals of Programming , Calculus I and II, Discrete Structures, Data Structures and Algorithms, Object Oriented Programming

Experience

Application Development Intern (C#, SQL, Azure DevOps, CI/CD Pipelines, REST APIs)
Oak Hill Advisors | Fort Worth, Texas

Jun. 2025 – Aug. 2025

- Developed a C# service using Adobe Workfront's REST API to sync ticket data into Microsoft SQL Server, enabling centralized access to project data within internal systems and improving reporting efficiency and cross-team visibility.
- Designed and managed CI/CD pipelines in Azure DevOps using XML configurations and JAMS for backend deployment automation, while resolving tickets through Adobe Workfront to streamline delivery and improve system reliability.
- Developed and maintained backend logic using C# and SQL to automate daily, weekly, monthly, and quarterly trade reports
- Enhanced a legacy Excel reporting system (VSTO) by tracing data flow, resolving inconsistencies, and implementing backend fixes to improve accuracy and timeliness.

Projects

🔗 github.com/gaurav-subedi

Face and Gesture Detection System (Python, OpenCV, MediaPipe, WebSockets, C# (WinForms))

- Developed a real-time face and hand gesture detection system, enabling dynamic UI updates and gesture-based interactions.
- Integrated Python AI models with C# UI via WebSockets, achieving a 30% improvement in response time.
- Enhanced detection accuracy by implementing OpenCV's Haar Cascade for face recognition and MediaPipe for gesture tracking.
- Optimized real-time data streaming through a multi-threaded WebSocket server, improving system responsiveness.

Photo Phraser (React Native, TypeScript, Python, Flask)

- Launched a cross-platform Expo React Native app in TypeScript with offline camera/gallery flows and encrypted on-device storage for images & captions.
- Built a Flask microservice wrapping Hugging Face BLIP, tuning beam search and async multipart handling to boost caption accuracy by 20% and cut latency by 40%.

To-Do List Web App (React.js, Django REST Framework, PostgreSQL)

- Developed a full-stack to-do list app using React and Django REST API to manage tasks across sessions via PostgreSQL.
- Improved task tracking experience by designing a responsive UI and integrating RESTful endpoints for CRUD operations.
- Enabled seamless frontend-backend communication by implementing CORS and JSON-based API handling.

Organizations and Honors

Alpha Lambda Delta: Member

Jan. 2025- Present

Mavericks Academic Scholarships

Aug 2024- May 2028

Leo Club of Kathmandu Creative: Active Volunteer

May 2022- March 2023

Trinity Science Club: President

July 2022- May 2023

Skills

Languages: Python, C#, JavaScript, C, Java

Technologies: .NET, React.js, Node.js, React Native, Flask, Django, WebSockets, WinForms, SQL, Azure DevOps, REST APIs, OpenCV, MediaPipe, Git/GitHub, Raspberry Pi