Gaurav Subedi

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Education

The University of Texas at Arlington — Aug 2024–May 2028
B.S. in Computer Science
- GPA: 3.8/4.0
- **Coursework:** Object-Oriented Programming, Data Structures & Algorithms, C, Java, Discrete Structures

Experience

Application Development Intern — Jun 2025–Present
Oak Hill Advisors — Fort Worth, TX
- Designed and deployed a **C#** importer console app on **AWS Lambda** to stream real-time ticket data from the **Adobe Workfront REST API** into a custom API controller, storing it in **MS SQL** Server for **Power BI** analytics supporting data-driven decisions.
- Streamlined **Azure DevOps CI/CD** (XML + JAMS) and modernized a legacy **VSTO Excel** reporting tool, reducing refresh latency and maintenance overhead.
- Developed and implemented **daily** and **weekly** investor reporting templates in Excel Service, optimized **SQL** queries, and resolved production issues by closing Workfront tickets, ensuring accurate and uninterrupted data operations.

Projects   github.com/gaurav-subedi

Face and Gesture Based Attendance System
- Engineered a real-time face and gesture recognition attendance system using **Python**, **OpenCV**, and **MediaPipe**, integrated with a **C#** UI via **WebSockets** to log check-ins to CSV.
- Implemented gesture-based confirmations and debounce logic, improving check-in accuracy by **25%** and reducing duplicate entries to near zero.

TaskTracker
- Built a full-stack task management app with **React.js**, **Django REST Framework**, and **PostgreSQL**, featuring a responsive UI and RESTful CRUD operations.
- Optimized frontend–backend communication with **CORS** and **JSON APIs**, improving task retrieval time and ensuring reliable cross-session tracking.

Photo Phraser
- Launched a cross-platform **React Native** app in **TypeScript** with offline camera/gallery support and encrypted on-device storage for AI-powered image captioning.
- Integrated a **Flask** microservice running **Hugging Face BLIP** that accepts images via API and generates captions, optimizing beam search and async handling to boost accuracy by **20%** and cut latency by **40%**.

Personal Portfolio
- Developed a fully responsive personal website with **React**, **TypeScript**, and **Tailwind CSS**, featuring dark mode, smooth navigation, and a clean, optimized UI, designed to be easily scalable for future updates.

Skills

Languages: C#, Python, JavaScript/TypeScript, Java, C, SQL
Frameworks & Databases:: .NET, React.js, React Native, Django REST, Flask, Node.js, MS SQL Server, PostgreSQL
Technologies: Azure DevOps, AWS, REST APIs, OpenCV, MediaPipe, Docker, Git/GitHub, Power BI

Extracurriculars & Honors

Alpha Lambda Delta — Member	Jan 2025–Present
Mavericks Academic Scholarship	Aug 2024–May 2028
ACM @ UTA — Member	Aug 2024–Present
MOBI — Member	Feb 2025–Present