Anas Mohammad

Software Developer & CS Student | Windsor, ON

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SUMMARY

Third-year Computer Science student with hands-on experience in **Python** and **TypeScript/JavaScript**, building reliable software systems, REST APIs, and data-driven applications. Experienced with **SQL**, **Docker**, and Git, with practical exposure to data validation, automation, and secure handling of sensitive datasets in regulated environments.

EDUCATION

University of Windsor — Windsor, ON
BSc in Computer Science (Honours), Minor in Mathematics — *2023 – 2027 (Expected)*

EXPERIENCE

Pathology Software Assistant (Python) — Jan 2024 – Apr 2024
Glendor Inc. — *Windsor, ON*

- Developed Python utilities to process whole-slide images (DICOM/SVS), automate region redaction of sensitive areas, and export pyramidal TIFF outputs while preserving multi-resolution structure.
- Extracted and validated slide metadata using **OpenSlide**, **tifffile**, and **pydicom**, standardizing outputs for downstream analysis and reproducibility.
- Ensured secure handling of medical image data and compliance with privacy-focused processing workflows.
- Built batch scripts and CLI tools to streamline processing for non-technical users.

Teaching Assistant — Jan 2024 – Present
University of Windsor — *Windsor, ON*

- Marked assignments and exams, proctored tests, and provided debugging support for **C** and **Python** coursework.
- Communicated technical concepts clearly and coordinated with instructors to maintain consistent grading standards.

Research Assistant (AI/ML) — Jan 2024 – Apr 2024
University of Windsor — Faculty Supervision — *Windsor, ON*

- Collected and structured large datasets from game telemetry; converted CSV data into efficient **PKL** formats and engineered features for modeling.
- Trained and evaluated baseline ML models, managing data splits, metrics, and reproducible experiments.
- Documented pipelines, versioned code with Git, and collaborated on result interpretation.

VOLUNTEER & LEADERSHIP

Math Tutor (Volunteer / Part-Time)
Independent / Community-Based

- Tutored high school and first-year university students in calculus, linear algebra, and discrete mathematics.
- Adapted explanations to different learning styles, strengthening communication and problem-solving skills.

Member — Multicultural Student Association (MCSA)
University of Windsor

- Participated in student-led initiatives supporting inclusion, collaboration, and campus engagement.

PROJECTS

League Wrapped — Next.js, TypeScript, Prisma, Riot Games API — 2025

- Data-driven full-stack application that ingests, processes, and visualizes structured match data for player performance analysis.
- Integrated external APIs, implemented reusable React components, and handled secure configuration using environment variables.
- Designed database schemas and queries with **Prisma**; documented setup and usage in a clear README.

TECHNICAL SKILLS

Languages: Python, TypeScript/JavaScript, SQL, C   **Frameworks**: React, Next.js, Node.js   **Data**: pandas, NumPy, Power Bi
Tools: Git, Docker, Linux, CLI   **Databases**: PostgreSQL   **APIs**: External API integration