

Amr Abujabal

Computer Science | Cloud & Backend | Computer Vision
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EDUCATION

University of British Columbia (Okanagan)

Expected May 2027

Bachelor of Science in Computer Science

TECHNICAL SKILLS

Languages: Python, Java, C, C++, SQL, R, JavaScript, HTML, CSS

Backend & Web: FastAPI, React, PostgreSQL, MySQL, REST APIs, JWT auth

Cloud & DevOps: Google Cloud Platform, Docker, Git, GitHub Actions, CI/CD, Linux/Unix

ML & Data: NumPy, pandas, scikit-learn, XGBoost, YOLOv10, SAM 2, TransReID/OSNet, vision-language models, multi-object tracking

Tools: Anaconda, Jupyter, RStudio

PROJECTS

[PitchVision](#) | *Computer Vision / ML · Cloud*

2026 – Present

- Building a single-camera player identification and performance analytics system for amateur and semi-pro soccer clubs, turning raw touchline footage into per-player metrics.
- Engineered a tracking and re-identification pipeline (YOLOv10 detection, SAM 2 segmentation, TransReID/OSNet re-ID) to maintain player identity across full-match clips.
- Produced coach-facing outputs: per-player movement stats (distance, speed zones), heatmaps, and team-level formation/possession views.

[ByteBites – Food Delivery Backend](#) | *COSC 310 Software Engineering*

2025

- Built a RESTful backend in FastAPI using a 3-layer architecture (API → Service → Repository) spanning 8 features: auth, menu management, ordering, delivery tracking, pricing, payment, and notifications.
- Implemented JWT authentication and role-based access control (USER / MANAGER / ADMIN).
- Set up Docker containerization and a CI pipeline; owned the auth and infrastructure workstream on a dedicated team branch.

[World Cup Match Outcome Predictor](#) | *Personal Project*

2026

- Built a 3-class match outcome classifier (Win / Draw / Loss) using XGBoost and Random Forest with ELO-based engineered features.
- Developed a full-stack app with a FastAPI backend, PostgreSQL database, and React frontend, including user predictions and a live leaderboard.

[Scotiabank Budget Dashboard](#) | *Personal Project*

2026

- Parsed Scotiabank transaction emails via Gmail MCP and built a two-stage HTML parsing pipeline to extract and categorize 3 months of spending into clean CSVs.

VOLUNTEER EXPERIENCE

Arab Gulf League — Event Volunteer & Coordinator

UAE · 2020

- Assisted in planning and running professional football league events, coordinating logistics and on-ground operations.