AMAAN A. JAVED

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OBJECTIVE

Final-year Computer Science student seeking a software development internship starting September 2025, with a passion for building innovative, user-centric software solutions that drive real-world impact.

EDUCATION

Queen's University — Sep. 2022 – May 2027
Bachelor of Computer Science (Honours) — Software Design Specialization — Kingston, Canada
- **GPA:** 3.95/4.00
- **Awards and Scholarships:** Mitacs Globalink Research Award, Dean's Honour Roll with Distinction (3x), E.M.S Technologies Scholarship, Dean's Award of Excellence, M.C. Urquhart Book Prize in Economics

Udemy — *The Complete 2023 Web Development Bootcamp* — Jul. 2023

HarvardX — *CS50's Web Programming with Python and JavaScript* — Aug. 2022

Mentor College — *Ontario Secondary School Diploma* — Jun. 2022

SKILLS

Languages: Python, Java, Groovy, JavaScript/TypeScript, C, Bash, SQL, HTML/CSS
Frameworks/**Libraries**: React.js, Next.js, Flask, Django, Node.js, Express.js, Jest
Tools: Git, Docker, Jenkins, Supabase, SonarQube, Artifactory, Figma

EXPERIENCE

Universidad Carlos III de Madrid - IGT Research Group — May 2025 – Aug. 2025
Undergraduate Researcher - Deep Learning and Augmented Reality — Madrid, Spain
- Created a **laparoscopic surgical training system** using **deep learning**, **augmented reality (AR)**, and 3D-printed phantoms to improve hands-on training in minimally invasive surgery.
- Trained a deep learning model to estimate the real-time position and orientation of a laparoscopic camera.
- Integrated AR visualization with Microsoft HoloLens 2, overlaying virtual anatomical models onto real-world views.

Tangerine Bank — May 2024 – Aug. 2024
DevOps Engineering Intern — Toronto, Canada
- Created an on-demand **Jenkins Job** using **Groovy** and the **GitHub API** to automate the extraction and listing of PRs going into upcoming releases, saving developers **10+ minutes per run**.
- Developed shell scripts to trace **250+ Docker-related error messages** to 16 source code issues, compiled reports, and coordinated with developers to plan and track resolution.
- Optimized a Jenkins job to clean up SonarQube branches and analyses, **reducing database size by 3%**.
- Deployed a GitHub Copilot dashboard to evaluate integration and analyze changes in developer productivity.
- Developed a Jira ScriptRunner script in Groovy that archived releases across 150+ projects, enhancing the organization and manageability of project releases.

Scotiabank — May 2023 – Aug. 2023
Software Developer Intern — Toronto, Canada
- Built a **Python tool** to search 1600+ tickets with 80% retrieval accuracy, accelerating issue resolution time by 3%.
- Optimized **SQL Server** and **Oracle SQL** queries used for daily file extracts, reducing execution time by up to **35%**.
- Automated a reporting workflow using **Python**, **Selenium**, and **Pandas**, cutting workflow duration by **40%**.
- Developed 30+ SSRS reports executed 200+ times daily, ensuring data accuracy and improving report clarity for more effective portfolio strategy implementation.

PROJECTS

Coursify | *Python, Next.js, TypeScript, Supabase* | GitHub Code | Live Website
- Developed a course insights platform with a **RAG-powered chatbot** that leverages scraped data to answer student queries about Queen's University courses and instructors.
- Built scalable scraping pipelines with **GitHub Actions** to ingest data from Queen's calendar, Reddit, and RateMyProfessors, processing **3,200+ courses**, **1,500+ professors**, and **38,000+ student comments**.

Velosphere | *React.js, Node.js, Redis, PostgreSQL, Jest, GitHub Actions* | Backend Code | Frontend Code | Live Website
- Built a networking platform used by **90+ interns** during Scotiabank and Tangerine's Summer 2023 cohort.
- **Reduced backend response times** by **200ms** using a **Redis cache**, leading to improved frontend performance.
- Implemented global state using **Redux** for **JWT**-based authentication, increasing average session time by 15%.

Credit Card Fraud Detection Model | *Python, Pandas, Matplotlib, Scikit-learn*
- Analyzed 150+ features and leveraged Python for data visualization and data preprocessing, using one-hot encoding to enhance data quality and model readiness.
- Trained a credit card fraud detection model using ensemble techniques with **Random Forest** and **XGBoost**, resulting in an **F1-score of 0.78**.

OTHER EXPERIENCE

QMIND - Queen's University AI Design Team　　　　　　　　　　　Sep. 2023 – Mar. 2024
AI in Healthcare - General Member　　　　　　　　　　　　　　　　Kingston, Canada
- Developed a machine learning algorithm to predict knee surgery outcomes.
- Utilized techniques such as **Random Forest** and **Gradient Boosting** to enhance model performance, increasing predictive accuracy by 20%.

Computer Science Students' Association (COMPSA)　　　　　　　Aug. 2022 – Apr. 2023
Junior Frontend Developer　　　　　　　　　　　　　　　　　　　Kingston, Canada
- Developed the frontend of the COMPSA website using **React.js**, **JavaScript**, **HTML**, and **Tailwind CSS**, providing 400+ students/month access to professional development resources.

Kumon (K-12 Tutoring Program)　　　　　　　　　　　　　　　Aug. 2021 – Aug. 2022
Teaching Assistant　　　　　　　　　　　　　　　　　　　　　Mississauga, Canada
- Provided individualized academic support in math and english subjects to students aged 5–17, reinforcing foundational concepts and encouraging independent learning.

Desjardins Investments Inc.　　　　　　　　　　　　　　　　　Jul. 2021 – Jul. 2022
Administrative Assistant　　　　　　　　　　　　　　　　　　　Mississauga, Canada
- Performed day-to-day administrative tasks while leading a client outreach and marketing campaign, contributing to increased engagement and business visibility.

ACHIEVEMENTS

• Awarded the **MITACS Globalink Research Scholarship** to conduct undergraduate research with the IGT Research Group at the Universidad Carlos III de Madrid.

• Awarded the **E.M.S. Technologies Scholarship** for academic excellence as a top-performing third-year Software Design student within the School of Computing.

• Recognized on the **Dean's Honour Roll with Distinction three times** for achieving a GPA in the top 3% of my cohort.

• Received the **Dean's Award of Excellence twice**, awarded to top students in the Faculty of Arts and Science for outstanding academic achievement.

• Received the top performance rating of **Exceeds Expectations** at Tangerine.

• Received the top performance rating of **Exceeds Expectations** at Scotiabank.

• Completed both the **Kumon Math** and **Reading** programs—rigorous, self-paced curricula typically taking students several years to finish—demonstrating academic discipline and mastery.