Aagam Shah

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EDUCATION

University of Waterloo Waterloo, ON
Bachelor of Computer Science - Business Specialization *Expected Graduation: April 2027*

Cumulative GPA : 3.90
Relevant Coursework: Operating Systems, Algorithms, Databases, Compilers, Data Structures, Application Development, Computer Architecture, Object Oriented Programming

TECHNICAL SKILLS

Languages: Python, C++, C#, C, Go, Java, JavaScript, Kotlin, R, SQL
Libaries/Frameworks: NextJS, ReactJS, NodeJS, Pandas, Numpy, Matplotlib, Jupyter Notebooks, Tailwind CSS
Developer Tools: Linux, Git, GitHub, VSCode, Visual Studio, Bash, AWS, Azure, PostgresSQL

EXPERIENCE

Incoming Software Engineering Intern Sept 2025 – Dec 2025
Palona AI *Menlo Park, CA*
- Design, develop and implement **AI and ML models** using **deep learning**, **natural language processing** and computer vision in **Python**

Software Developer Intern Jan 2025 – Apr 2025
Geotab *Toronto, ON*
- Enabled multi-parameter trip sorting by developing a **custom backend API** in **C#**, which was integrated into a **React frontend**, supporting **five distinct sort criteria**
- Implemented **site-wide** group filter functionality on MyGeotab, leveraging global URL state to **synchronize** and apply selected filters across the entire application
- Achieved a **90%** code coverage on the Trips History page through the use of **Jest unit testing**

Software Developer Intern May 2024 – Aug 2024
Moody's *Toronto, ON*
- Engineered a **relational database** to **automate** reserve component detection across **5 modules** using **SQL** queries, replacing manual iteration and improving calculation **runtime** by **7%**
- Attained a **12% reduction** in C++ **compilation time** by refactoring the reserve component storage logic into modular libraries
- Generated real-time **error walk-throughs in C++** for Moody's AXIS custom feature codes, guiding users through fixes for calculation issues and **increasing customer satisfaction** by **16%**

Business Development Intern May 2023 – Sept 2023
Safeline Group of Companies *Concord, ON*
- Developed a **Python** script with automation capabilities to analyze and compare **over 1 million words** across several legislations, pinpointing critical variances to update
- Implemented an automated **file cataloging system** in **VBA**, featuring a **user-friendly interface** that dynamically tracked, updated, and managed all company files as they were added or removed
- Designed an integrated internal company website using **Microsoft SharePoint**, centralizing all essential resources within a unified digital domain for **enhanced accessibility** and productivity

Software Developer Intern Sept 2020 – Jan 2021
CYR Funding *Markham, ON*
- Built a **custom VBA UI** that streamlined Excel-based customer data entry with **guided inputs** and automatic post-submission sorting, **reducing entry time** by **45%**
- Leveraged **smtplib** and **pandas** in Python to iterate over client emails in the customer database to increase outreach which boosted **sales by 15%** across the term

PROJECTS

LiftOff | *Kotlin, Postgres, Supabase, Android Studio* | ⭘ Dec 2024
- Produced an **Android application** in **Kotlin** to generate personalized workout plans, manage fitness schedules, and deliver workout notifications
- Implemented a cloud-hosted backend with **Supabase**, leveraging **Postgres** for efficient and scalable database management