AARIB SAMI

(647)-853-3518 | aaribsamii@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio Site](#)

EDUCATION

University of Guelph — *Guelph, ON*   2028
Bachelor of Computing in Computer Science
GPA: 3.94/4.00, *Dean's List*
Related Coursework: Algorithms, Operating Systems, Data Structures, Object Oriented Programming, Application of Microcomputers, Intermediate Programming, Discrete Structures I/II, Linear Algebra I

TECHNICAL SKILLS

Programming: Python, Java, JavaScript, TypeScript, C, C#, React.js, HTML/CSS, PyTorch, Flask, Node.js, SQL
Developer Tools: Git, GitHub, GitLab, Postman, Visual Studio Code, Unity, IntelliJ, PyCharm, Eclipse

EXPERIENCE

Software Developer Intern   May 2025 - Dec 2025
Candescent   *Waterloo, ON*
- Reduced API response times by **15%** through implementing file processing optimizations in **Java** using **Spring Boot**, improving user experience for **500+** concurrent users during peak file upload periods
- Built a bulk wire payment system using **React.js** and **TypeScript**, simplifying batch payment processing for **100+** companies through automated text file upload and customizable field mapping to database schemas
- Streamlined feature delivery by collaborating with Product Owners and UX/UI designers to validate designs pre-development, reducing rework iterations by **25%** and accelerating team output
- Enhanced reliability through unit tests using **Jest**, achieving **90%** coverage and identifying bugs pre-production

PROJECTS

[furnish.ai](#) | *React.js, TypeScript, Node.js, Express, Stripe, Supabase, Replicate API*   Nov 2025 – Current
- Built a fullstack AI virtual staging platform using **React.js** and **TypeScript**, processing room transformations in **30-60 seconds** through integration with **Replicate API**, reaching **15+** users in launch week
- Implemented a **Stripe** payment system across **3 pricing tiers** with webhook handlers for automated billing events, processing transactions with a **98%** payment success rate across global markets and multiple currencies
- Engineered a scalable **Express.js** backend with **Multer** upload handling to process asynchronous image transformations, supporting concurrent job execution without blocking user requests
- Configured a **Supabase** database with Google OAuth to reduce the average login time to under **2 seconds**

FireGuard AI | *Python, PyTorch, Flask, React.js, HTML/CSS*   Dec 2024 – Jan 2025
- Trained a **PyTorch**-based **neural network** model to predict forest fires, achieving **93%** accuracy on test data
- Constructed a frontend using **React** and **Mapbox API**, enabling geolocation search and map navigation
- Integrated the **OpenWeather AP**I to collect up to date weather data, improving prediction precision by **15%**
- Implemented a **Flask** backend to seamlessly connect the **machine learning** model with the React frontend

GryphCourseWatch | *Python, Flask, Playwright, HTML/CSS, JavaScript*   Jun 2024 – Aug 2024
- Developed a web scraping tool using **Python** and **Playwright** to monitor university course availability in real time, reducing manual registration time by more than **32%** across **100+** courses
- Integrated frontend using **HTML, JavaScript** and **Flask** to allow users to register for alerts and view courses
- Marketed project on platforms like LinkedIn and Reddit, generating interest from **1,500+** students pre-launch
- Implemented email notifications using **SMTP** and **Mailgun** to alert students of available course spots

FaceID Attendance System | *Python, OpenCV, Firebase*   Jun 2024 – Jul 2024
- Designed an attendance system using **Python** and **OpenCV**, achieving a facial recognition accuracy of **95%**
- Deployed automated attendance logging by detecting faces within **1.75s** and updating the database accordingly
- Leveraged Firebase to dynamically update student attendance data, ensuring accurate records for future use

ACTIVITIES AND LEADERSHIP

Google Developer Student Club   Sep 2023 – Current
General Member
- Participated in projects using **JS/React.js** and **Firebase** to enhance knowledge of database implementation