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*
- Designed and built responsive UI components for wire payment feature using **React.js**, **TypeScript**, and MUI, enabling clients to upload text files and map **20+** field types to database schemas, deployed to **100+** companies
- Reduced API response time by **15%** through implementing file processing optimizations in **Java** using **Spring Boot**, improving user experience for **500+** concurrent users during peak file upload periods
- Streamlined feature delivery by collaborating with Product Owners and UX/UI designers to validate designs predevelopment, reducing rework iterations by **25%** and accelerating team output
- Enhanced reliability through unit/integration tests using **Jest**, achieving **90%** coverage and reducing bugs by **30%**

PROJECTS

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
- Built a frontend interface using OpenCV's graphical system to display student data such as name and major

Sign Language Translator | *Python, OpenCV, TensorFlow*   Jun 2024 – Jul 2024
- Built a live sign language recognition system using **TensorFlow**, achieving **92%** accuracy across **26** gestures
- Utilized **OpenCV** for efficient video capture and processing, enabling detection within ≈**1.53s** latency/frame
- Fine-tuned a SSD **MobileNet** model, boosting recognition performance by over **25%**

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