

AGAM AIRI

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<https://agamairi.github.io/portfolio>

Toronto, ON

WORK EXPERIENCE

Mobile Application Developer, Solaris Robots

March 2024 - Present

- Leading the migration of the PRM Go Mobile app from Kotlin to Flutter and Node.js PRMGO Portal to Flutter resulting in an overall reduction in development time by 15%.
- Developed and maintained the 'Autonomous Lytbot' app, utilizing IoT technology to control the in-house produced 'Autonomous Lytbot' robot. Implemented real-time data synchronization
- Provided ongoing maintenance and support for the 'SolarX' app, including bug fixes, performance optimizations, and feature enhancements resulting in about 25% reduction in the loading times.
- Developing and maintaining the 'SmartFeed' app, utilizing IoT technology to collect and analyze washroom feedback data. Successfully reduced data redundancy by 33%, improving responsiveness and performance.
- Managed the deployment of apps to Google Play Console and Apple TestFlight for alpha and beta testing

Front-End Developer, CodeLekhakh

August 2021 - December 2021

- Designed 3 engaging UIs (Flutter & React) that increased customer engagement by 25%.
- Prioritized responsive design principles, resulting in an adaptive UI leading to a 15% increase in user retention.
- Delivered high-quality work consistently and on time exceeding client expectations maintaining a 4.5 out of 5 client satisfaction rates.

Software Developer, Cyber Labs India

December 2019 – November 2020

- Built 7 web & mobile applications using the MERN stack for business clients.
- Utilized Node.js, Express, MongoDB, & Git to make 2 secure & scalable back-end systems.
- Participated in code reviews and testing to maintain code quality and coordinated the release of production-ready code.

EDUCATION

Seneca College, Toronto

January 2022 – April 2023

Diploma in Computer Programming (2 years Diploma Program) 3.4GPA

Sardar Patel University, IN

June 2018 – July 2021

Bachelor of Business Administration (IT management specialization) 8.5GPA

KEY SKILLS

- **Programming & Scripting Languages:** Dart, Python, JavaScript (ES6+), C#, C++
- **Technologies:** Flutter, Angular, React, Node.js (with Express.js), Django, MongoDB, SQL, Git
- **Additional Skills:** UI/UX design, RESTful API development, Full-stack development, Photoshop

PROJECTS

Real-time Mobile Surveillance system:

- Developed a mobile app (Flutter) for live video capture and transmission with optimized encoding which resulted in 10% reduction in bandwidth usage compared to traditional methods.
- Built a Node.js server to receive and process the encoded video data enabling real-time video streaming.
- Created a web application to decode and view the video feed, enabling viewing for 2 users concurrently.

Academic Project - Web Application:

- Built a comprehensive web application using MERN stack with secure user authentication and authorization.
- Integrated MongoDB with full CRUD functionality for efficient data storage of user data.
- Deployed the application on Heroku, while also exploring alternative hosting solutions like GitHub Pages.

Tetris using Flame and Flutter 2D game engine:

- Programmed the core mechanics of Tetris, including movement, line clearing, and game over logic.
- Created a smooth game loop with a set frame rate to manage game speed, piece movement, and updates.