

AGAM AIRI

Website: agamairi.github.io/portfolio/ Location: Toronto, ON

Email: agam.airi@outlook.com

Phone: (647)-563-2245

LinkedIn: linkedin.com/in/agam-airi

- Highly motivated and skilled Computer Programmer with a Diploma in Computer Programming and expertise in game development and web design.
- Proficient in using Unity and C# as well as Unreal and Blueprints to develop high-quality games and possessing a solid grasp of 3D mathematics.
- A creative problem solver with exceptional communication skills and a strong ability to work collaboratively with colleagues to achieve project goals.
- Keenly interested in delving deeper into my understanding of game engine technology, as well as gaining knowledge about the hardware that powers gaming consoles and personal computers

KEY SKILLS

- **Object-oriented programming using C++:** Proficient in C++ programming and object-oriented design.
- **Game development using Unity engine and C#:** Expertise in developing 2D and 3D games, with a strong understanding of game mechanics.
- **Game development using Unreal Engine and blueprints:** Experienced in developing 2D and 3D games, with knowledge of advanced features such as AI and networking.
- **Version control:** Familiarity with version control tools such as Git and GitHub, including branching, merging, and pull requests.
- **Data structures and algorithms:** Understanding of data structures and algorithms, including sorting, searching, and hashing algorithms
- **Full-stack web development:** Skilled in front-end web technologies, back-end web development, and working with databases like MySQL, MongoDB, Handlebar JS, EJS.
- **Programming Languages:** Python, C++, C#, PHP, Flutter

PROJECTS

Arcade Game in Unity – Space Shooter:

- Implemented 2 player support to allow players to play the game together.
- Added Music to the game to enhance the player's experience.
- Added Sprite animations to enhance the game's visual appeal.

Endless Side-Scroller Game – Diamond Collector:

- Endless side scroller game that is compatible with both Windows and Android platforms
- Increasing difficulty to provide a challenge for players as they progress
- Collectible diamonds that increase your score and add an extra layer of challenge
- Dynamic backgrounds that change every 15 seconds to keep players engaged and alert
- User-friendly UI to navigate the game and keep track of scores and progress.

Academic Project - Web Application:

- Developed a web application using DOM, Express, Handlebars, and MongoDB.
- Implemented log-in functionality to ensure secure access to the application.
- Implemented fully functional CRUD functionality allowing users to create, read, update, and delete data.

Flutter Instant text messaging app – HomeChat:

- Instant messaging feature for real-time communication between users
- Firebase authentication for secure and efficient login
- Message storage in Firebase for easy retrieval and management of conversations
- Beautiful user interface (UI) design that enhances the user experience and promotes engagement.

EDUCATION

Seneca College, Toronto, ON
Computer Programming Diploma

January 2022 - Present

Sardar Patel University, IN
Bachelor of Business Administration (IT management specialization)

June 2018 – July 2021