

# SALEM ALSHAMSI

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💻 [shamsidev.com](https://shamsidev.com) | <https://github.com/Scythoros>

## EDUCATION

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**Cornell University** || Ithaca, NY  
B.A Computer Science

August 2023 - May 2027

**Relevant CS Coursework:** Intro to Computer Science in Python, Object-Oriented Programming, Data Structures with Java, Data Structures & Functional Programming, Calculus I + II, Linear Algebra, Discrete Mathematics.

**Organizations:** Cornell Cybersecurity - Spring 2025, Cornell Computer Reuse Association - [ Fall 2023 - present ], Development in Games Association at Cornell - [ Fall 2023 - present ]

**ASP Scholarship Recipient** || Abu Dhabi, UAE

August 2023 - May 2027

Awarded a highly selective full-ride Scholarship from Abu Dhabi Investment Authorities' Scholarship Program. A program that integrates crucial education and support of a student's financial literacy and overall academic prowess.

## EXPERIENCE

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**RISC-V CPU Simulation:** *Self-driven development*

Feb 2025

- Developed a CPU that goes through multiple stages, inclusive of Fetching, Decoding, Executing, Memory, and Writeback.
- Utilized Back-end tools, inclusive of: Git, Assembly, RISC-V x64, C (P. Language), VSCode, WSL, Docker.

**E-portfolio Website:** *Self-driven development*

Dec 2024 – Jan 2025

- Developed a personal e-portfolio platform structure that displays professional and casual experiences in a visually appealing platform.
- Utilized front-end tools, inclusive of: HTML, CSS, and JavaScript. Utilized platforms and tools like Git, GitHub, SVG, etc.

**Sands of Chance:** *Team-member/Co-developer*

Oct 2024 – Dec 2024

- Co-developed a terminal-based application that integrates sports API's that are used to measure the statistical chance of teams, organizations, and players' success rate given a choice of matches.
- Utilized Back-end tools, inclusive of: Git, Powershell, VSCode, OCaml, API's.

**UAE National Service:** *Conscript - Reserve Unit Loadmaster*

Aug 2022 – Aug 2023

- Completed military conscription with a reserve unit in the Joint Aviation Logistics for 7 months.
- Proficient in Air marshaling, Aircraft taxing, Aircraft refueling, Aircraft checks, etc.

## SKILLS

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### Technical Skills:

- Java, Python, OCaml, JavaScript, Git, GitHub, HTML, CSS, C programming language, RISC-V, Assembly, Powershell, WSL, Pulsar, VScode, IntelliJ, Docker.
- Back-End, Front-End, Web-development, Casual Game development (GODOT, Unity)

**Communication Skills:** Arabic (Native), English (Proficient)