

Ntshwane Jeremia Mphorane

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Summary

Enthusiastic second-year computer engineering student with a solid foundation in programming and problem-solving. Proficient in Python and Java, with experience in academic projects involving web development and data structures. Eager to apply classroom knowledge and collaborative skills to a software engineering internship.

Education

Bachelor of Engineering Technology in Computer Engineering

Expected May 2026

Cape Peninsula University of Technology, Cape Town

- Relevant Coursework: Software design 1, Computer Architecture, Operating systems, Computer Graphics, Software design 2

Skills

- **Programming Languages:** Python, Java, C
- **Web Technologies:** HTML, CSS, JavaScript
- **Tools:** Git, Visual Studio Code, WebStorm, IntelliJ, Appwrite
- **Other:** Object-Oriented Programming, Basic Algorithms, Team Collaboration

Projects

Jerere's Portfolio

Portfolio Page: [Jerere's Portfolio](#)

GitHub Code: <https://github.com/jeremia-dotcom/Portfolio>

Space Battle WebGL Game

March 2025-May 2025

Portfolio Page: [Jerere's Portfolio](#)

GitHub Code: <https://github.com/jeremia-dotcom/space-battle-game>

Personal Mobile App Projects (2) – Active development

July 2025

- Two commercial React Native applications in the on-demand services space
- Implementing user/auth flows, real-time features with Firebase, Stripe payments, and Google Maps API
- Details available under NDA

Secure Chat Application

Sep 2025 – OCT 2025

- Developed an end-to-end encrypted real-time chat application using Java Swing with AES-128 encryption, enabling secure client-server communication through socket programming and multi-threaded message handling
- Implemented a robust client-server architecture supporting multiple concurrent users with message broadcasting, encryption toggle functionality, and real-time message polling using ExecutorService thread pools
 - Portfolio Page: [Jerere's Portfolio](#)
 - GitHub Code: <https://github.com/jeremia-dotcom/secure-chat-app>

Additionally

- **Activities:** University Coding Club (CPUT HPC Armoury)
- **Interests:** Hackathons