RAMAN

KOVENDAN JASON

BSc (Comp Sci)

CONTACTS

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GitHub

EDUCATIONAL BACKGROUND

Bachelor of Science degree
in Computer Science, 2025

University of
Witwatersrand,
Johannesburg, SOUTH
AFRICA

OVERVIEW

High performing Computer Science graduate from the University of the Witwatersrand (5, Final Year Distinctions) with award winning projects in Software Design and Computer Graphics and Visualization. Concrete tech knowledge with practical experience building production-ready applications. Proficient in Python, Java, JavaScript, C C++, and SQL. Currently pursuing BSc Honours in Computer Science at the University of Witwatersrand.

EMPLOYMENT HISTORY

Student Intern, Sanlam Business Solutions - June/July 2025

EDUCATION

Tertiary
University of Witwatersrand
- Bachelor of Science - Computer Science (2025)
- Currently completing BSc Honours in Computer Science
- **Game of The Year** 2025 University of Witwatersrand
- **Project of The Year** Nomination 2025 University of Witwatersrand
- **Golden Key** International Honours Society – Wits University

Secondary
Crawford College North Coast
- Achieved Full Colours for Academics
- 6 IEB Distinctions

Other
Dale Carnegie Generation Next Course

PROJECTS

- **RaceIQ: Formula One Stat Tracker**
  - **Tech:** TypeScript, React, Node.js, Auth0
  - Integrated Google Gemini API to generate race analytics summaries and predictive insights, testing, performance enhancements, UI design, 3D Models, Mobile Responsiveness, Database Design
  - Deployed Render (Backend), Vercel (Frontend)

- **The Aperture Protocol: Escape Room Game. Game of The Year**
  - **Tech:** Three.js, JavaScript, HTML5, CSS3, Blender
  - Developed a 3D interactive game environment using Three.js.
  - Enacted object interactions, collision logic.
  - Implemented puzzle mechanics, optimized performance.

- **AI Agent for RoboCup:**
  - Computed preference rankings dynamically using Euclidean distance.
  - Applied Gale Shapley (Stable Marriage) role assignment.

- **QR Generator: Web-based QR code generation tool**
  - **Tech:** Built with Python, HTML and JavaScript
  - Deployed with Render, Mobile Responsive
  - QR generation with dynamic inputs

TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript, C++, C, SQL
- **Web:** React, Node.js, Three.js
- **Tools:** Github, Linux
- **Concepts:** OOP, TDD, Data Structures & Algorithms, REST API's