Cristiano Saldanha

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Education

Newcastle University   **Newcastle UK, June 2027**
BSc Software Engineering - First class Predicted
Stage 1 (81.2%)
The Millennium School   **United Arab Emirates, April 2024**
CBSE Class XII, Overall 84%, Computer Science 96%   A-Level Equivalent (A*AA)

Projects

Trinity AI Assistant – *Python, GPT4All, Speech Recognition, TTS*
- Developed a fully offline, voice-activated AI assistant with natural conversational responses.
- Built task management (to-do lists), Q&A, and weather features, all running locally for complete data privacy.

Scalping Trading Bot – *Python, Alpaca API, Backtesting*
- High-frequency trading bot implementing multi-strategy scalping algorithms.
- Integrated risk management, trade scoring, trend filters, and adaptive stop-loss.
- Automated live trading with dynamic position sizing and backtested with minute-level stock data.

EduTrack System – *Python, Tkinter, MySQL*
- Desktop GUI for managing student databases with CRUD functionality and secure login.
- Streamlined record management for non-technical users.

Hand Gesture Controller – *Python, OpenCV, Mediapipe, Arduino*
- Real-time hand gesture recognition system controlling hardware via Arduino.
- (Full project portfolio on GitHub)

Positions & Awards

Technical Officer – NUCATS, Newcastle University (2025–Present)
- In charge of hackathons and technical events, overseeing all society activities
- Managed software and hardware inventory and maintained event infrastructure
- Coordinated events for 50–150 attendees, including workshops and industry talks with companies such as Coinbase
- Acted as the society's primary industry networker, liaising with external speakers and partners

Certifications & Competitions

Lloyds Banking Group Technology Engineering & Data Science Simulations (2026)
Bloomberg Global Trading Challenge (2024)
- Ranked Top 10% globally among thousands of participants using live market data and Bloomberg Terminal.

IBM Digital Nation & IBM iX Certifications (2020-2023)
- AI, Watson Machine Learning, Fraud Detection, Blockchain, Design Thinking Practitioner.

Skills

Programming & Tools: Python, Java, SQL, Django, C, Lua, Git, GitHub, Linux, Bash
Languages: English, French, Arabic