

JOSEPH CHERIAN KARIAMPALLY

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Flat 603, Azizi Feirouz, Al Furjan ◇ Jabel Ali, Dubai

EDUCATION

Heriot Watt University, Dubai

September 2023 - Ongoing (Expected May 2026)

BSc in Computer Science & Hons in Data Science

Current GPA: 3.74 (On Conversion to US GPA scale 4.0)

PROJECTS, EXPERIENCE, AND OTHER WORK

Plug Saver (Software Engineering)

<https://pluginsaver77.weebly.com/>

Backend and Database Management

Heriot Watt University

- Worked with my team during my third year in university to develop a Web application that simulates the the functionality of a real world smart home plug.
- Used Python to develop the Back-end functions and Flask to create a REST API to communicate with Front-end.
- Created the database using PostgreSQL in Supabase.com for live upkeep of the application and data storage.
- Understood the basics to work with a team and implement SCRUM and AGILE methodologies to achieve the final task in the project.
- <https://github.com/JCherry101>

Hardware-Software Interface

January 2024 - May 2024

Developer

Heriot Watt University

- Developed a MasterMind game on Raspberry Pi 2 using C and ARM Assembly, integrating LEDs, a button, and an LCD for user interaction, with hardware control through GPIO and optimized performance using inline and pure assembly code.
- Learnt to use basic hardware and also was introduced to Linux OS indepth and its commands.
- <https://github.com/JCherry101>

RedTeam CyberHack CTF Competition

19th January, 2025

CTF Competition

Dubai, UAE

- Won the first place at the Cyber Hack: Capture The Flag (CTF) event hosted by the Heriot Watt Tech Club in Partnership with the REDTEAM Hacker Academy.
- Learnt to navigate the quick and challenging pace of competitions and learnt a lot in how cybersecurity challenges are handled in the real world.

Udemy Courses

April 2024 - August 2024

Certificate Courses

Dubai, UAE

- Successfully completed 3 certificate courses on Udemy.com
- The Data Science Course: Complete Data Science Bootcamp 2025 taught by 365 Careers on Udemy.
- Machine Learning A-Z: AI, Python & R taught by Kirill Eremenko, Hadelin de Ponteves, SuperData-Science Team, Ligency Team.
- Tableau A-Z: Hands-On Tableau Training for Data Science taught by Kirill Eremenko, SuperData-Science Team, Ligency Team.

Extra and Co-Curricular Activities

- Attended lecture session on Artificial Intelligence by companies Careem, IBM, Microsoft and SAP organized by The United Arab Emirates Minister of State for Artificial Intelligence Office.
- Attended a program for development for leadership, social, and presentation skills at Stanford University organized by You Go Lead. Also visited major tech headquarters (Facebook and Apple) and had their campus tours.
- Attended lecture session on at the WETEX 2019 Dubai Solar Show organized by Dubai Electricity & Water Authority
- Won 1st place in a French short film competition (Bataille de Films - Category 2) organized by St. Theresa's College, Ernakulam

TECHNICAL STRENGTHS

Computer Languages	Python, Java, R, C
Protocols & APIs	XML, JSON, REST
Databases	MySQL, PostgreSQL
Tools	Tableau, Git, R Studio, Docker