JOSEPH CHERIAN KARIAMPALLY

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

EDUCATION

Heriot Watt University, Dubai *Sep 2023 - May 2026 (Expected)*
BSc in Computer Science & Hons in Data Science
Current GPA: 3.74 (US GPA scale: 4.0)

PROJECTS, EXPERIENCE, AND OTHER WORK

Plug Saver (Software Engineering) **https://plugsaver77.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 Jan 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.
- https://github.com/JCherry101

RedTeam CyberHack CTF Competition 19th Jan 2025
CTF Competition **Dubai, UAE**
- Won first place in Cyber Hack: Capture The Flag (CTF) event hosted by the Heriot Watt Tech Club in partnership with the REDTEAM Hacker Academy.
- Gained hands-on experience in real-world cybersecurity challenges.

Udemy Courses Apr 2024 - Aug 2024
Certificate Courses **Dubai, UAE**
- Completed courses: Data Science Bootcamp, Machine Learning A-Z, Tableau A-Z.
- www.linkedin.com/in/joseph-cherian-a37813169

Extra and Co-Curricular Activities
- Attended AI lectures by 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.
- Won 1st place in a French short film competition 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
Spoken Languages	English, Hindi (Beginner), Malayalam(Beginner)