Rachael Dias

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EDUCATION

Heriot-Watt University | Dubai, UAE   *2025*
BSc (Hons) Computer Science
*GPA: 90.6 / 100 ≈ **4.0 GPA***

EXPERIENCE

Artificial Intelligence Intern | Convz FZE   *May 2025 – Present*
- Utilizing **LangGraph** to connect LLMs with company databases to derive insights.
- Implementing sales-forecasting pipelines using **BigQueryML**, delivering forecasts for multiple clients.

Enterprise Software Engineer & Data Science Intern | CircleBit   *June – Oct 2024*
- Created a customer portal for freight forwarding solutions in **Angular.js** and used **D3.js** for interactive dashboards and visualizing route information.

Teaching Assistant | Heriot-Watt University   *September 2024- April 2025*
- Assisted in teaching labs and grading assignments for Computer Science students.

IT Intern | The First Group   *May – Sept 2022*
- Created a Reimbursement Claim application using the **Microsoft Power Platform**

EXTRA-CURRICULARS/ROLES

Publication | AAAI's Symposium on Human-AI Collaboration   *May 2025*
- Created the first structured dataset for crochet and fine-tuned various open-source LLMs for crochet pattern translation. Accepted as: *Translation of User Crochet Patterns to CrochetPARADE syntax using Large Language Models.*

Microsoft Learn Student Ambassador | Microsoft   *July 2023 – Present*
- Part of a global group of campus leaders who are eager to help fellow students and develop technical and career skills for the future.

Technovation Mentor   *March 2025- Present*
- Guiding a team of high-school girls to create an application using Flutter to complete the online Technovation curriculum.

Department Officer MACS | Heriot-Watt University   *August 2024 - May 2025*
- Organized, led, and managed the representatives for each year within the Math and Computer Science courses.

AWARDS

ICL Prize | Heriot-Watt University   *2022*
- Prize awarded to the best student on the programme for the degree of BSc in Computer Science

University Prize | Heriot-Watt University   *2022*
- Prize awarded for outstanding merit in the Computer Science discipline.

Deputy's Principal Award | Heriot-Watt University   *2022, 2023, 2024,2025*
- Prize awarded for outstanding merit in the Computer Science discipline.

Department Officer of the Year | Heriot-Watt University   *2025*
- Outstanding contribution as a Department Officer, representing students at the School level.

Academic Legend Award | Heriot-Watt University   *2021*
- Highest average score in DEP Engineering at Heriot Watt Dubai.

SKILLS

- **Langchain, BigQueryML, Pandas, Matplotlib, PyTorch, NumPy, Scikit-Learn, Azure, Statistics, Probability. D3.js, Cuda.**
- **Python, Java, OCaml, C, R, SQL, PHP, ARM Assembly, JavaScript, HTML, CSS, Tailwind.**