IBRAHIM RATHWALA

Address: Dubai,UAE | Mobile: +971 56 109 3935| Email: ibrahimrathwala@gmail.com | LinkedIn: www.linkedin.com/in/ibrahim-rathwala

SUMMARY

Third-year Computer Science student at Heriot-Watt University Dubai, with a keen interest in data-related and software engineering roles. Recognized for leadership as the President of the Art Club, demonstrating the ability to inspire and organize a large group of individuals. Actively seeking an internship to further develop leadership skills and contribute to impactful data-driven and software engineering projects.

EDUCATION

Heriot-Watt University   **Dubai, UAE**

Bachelor of Science: Computer Science(Artificial Intelligence)(Hons)   *September 2022 - Present*

GPA – 4.0

Modules Include -

- Data structures and algorithms
- Hardware Software Interface
- Database Management Systems
- AI and Intelligent Agents
- Software Engineering
- Data Communications and Networking

EXPERIENCE

President Art Club   **Dubai, UAE**

Heriot Watt University   *April 2024 – Present*

- President of the Art Club, leading a diverse community of 200+ students.
- Spearheaded engaging and innovative sessions, fostering creativity and collaboration among members.
- Collaborated closely with the Student Council to organize successful events, including Halloween celebrations, enhancing the university's social and cultural fabric.

Research Associate   **Dubai, UAE**

Heriot Watt University   *January 2024 – May 2024*

- Actively collaborated with the WattMUN 2024 executive research team to create well-structured agendas and comprehensive background materials.
- Organized training sessions, imparting valuable insights on policy research methodologies, diplomatic strategies, and effective communication.

SKILLS

- **Programming languages –** Python , Java, C, R, Prolog, Flutter, Javascript
- **Frameworks –** TensorFlow , Scikit Learn, Pytorch, Next.js
- **Version Control -** Git
- **Operating System –** Windows , Linux
- **Professional –** Leadership, Teamwork**,** Problem Solving, Research

PROJECTS

Brainwave: A Collaborative Brainstorming Platform

- o Fosters real-time brainstorming and idea exchange through socket.io messaging and collaborative tools like a whiteboard and document annotation.
- o Built on a robust foundation of React.js (frontend) and Node.js (backend) for a dynamic and user-friendly experience.
- o Developed the Virtual Exhibits Feature which allows user to showcase their work and worked on the responsiveness of the app.

Portfolio Website [link]

- o Developed an interactive personal portfolio website using Next.js, integrating Framer Motion to enhance user experience and showcase projects effectively.

Tic Tac Toe

- o Constructed a Tic-Tac-Toe game environment with Markov Decision Processes (MDPs), training AI agents using Value Iteration, Policy Iteration, and Q-learning for strategic gameplay.

AWARDS

Deputy Principal's Award 2023

Awarded Academic Excellence Award in recognition of outstanding scholastic performance, achieving Grade A in 6+ undergraduate courses.

CERTIFICATIONS

- Microsoft Certified: Azure AI Fundamentals (AI-900)
- Coursera: Machine Learning Speacialization

ADDITIONAL INFORMATION

- **Interests:** Cricket**,** Swimming, Reading, Exploring
- **Languages:** English , Arabic, Urdu, Gujarati, Hindi
- **Events Participated:** Dubai Customs IPR Awards, First Lego League, COP 28
- **License:** UAE Driving License