IBRAHIM RATHWALA

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

SUMMARY

Final year Computer Science student at Heriot-Watt University Dubai with a keen interest in data-related and software engineering roles. Currently interning at UKR Group, where I am developing web-based applications and collaborating with cross-functional teams to deliver high-quality software solutions. Recognized for leadership as the President of the Art Club, demonstrating the ability to inspire and organize a large group of individuals. Actively seeking opportunities 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

Software Engineer Intern   **Dubai, UAE**
UKR Group   *June 2024 – September 2024*

- Developed a custom CRM solution using PHP and MySQL, incorporating advanced data cleaning techniques in Python to streamline client data integration and enhance overall data accuracy.
- Implemented an eSignature platform for efficient contract signing and email dispatch, resulting in a 59% reduction in operational costs for the company.

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.

SKILLS

- **Programming languages –** Python , Java, C, R, Prolog, Flutter, Javascript
- **Frameworks –** TensorFlow , Scikit Learn, Pytorch, Next.js
- **Operating System –** Windows , Linux

PROJECTS

Ecosave Sign: A eSignature Platform [link]
- o Developed a web application using **Next.js, Node.js, Mailjet, and AWS S3**, allowing users to upload, sign, and email contracts to clients, who can then view and sign the document via a provided link.
- o Implemented a template feature that extracts fields from uploaded documents, creating a form-like structure for easy filling, signing, and sending.
- o Created an admin dashboard and a comprehensive details page, displaying all signatories, their IP addresses, and the document history after all parties have signed, ensuring transparency and traceability.

Brainwave: A Collaborative Brainstorming Platform [link]
- o Fosters real-time brainstorming 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 users to showcase their work and worked on the responsiveness of the app.

Venigma: AI Video Tool [link]
- o This project is a web application that deals with text-to-video generation. A user will be able to enter a prompt of their interest and after further selections, create a video in real-time. The application also allows users to upload a video and automatically generate captions for the video. It leverages audio extraction and speech recognition technologies to generate accurate captions, featuring a user-friendly interface for easy video upload and caption viewing.

AWARDS

Deputy Principal's Award 2023 & 2024 – Awarded Academic Excellence Award two consecutive years in recognition of outstanding scholastic performance, achieving Grade A in 6+ undergraduate courses for two consecutive years.[**link**]
RTA x Alibaba Hackthon Best Solutions Champion – Ranked third place and won the best solutions champion for my solution for improving taxi services in UAE. [**link**]

CERTIFICATIONS

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

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