Jeevan Lowrence

+353 87383 4167 | jeevanlowrence4046@gmail.com | portfolio website
https://linkedin.com/in/jeevan-lowrence | https://github.com/JeevanLowrence

Profile

Machine Learning enthusiast currently pursuing an **MSc in Artificial Intelligence** at the University of Galway. Passionate about applying **AI to scientific research** and solving complex real-world problems. Skilled in **Python, deep learning**, and **full-stack development**. Eager to contribute to **innovative AI-driven projects** in research or engineering settings.

Education

University of Galway, Ireland, *Msc. in Computer Science with Artificial Intelligence* — Expected Aug 2025

- Merit Scholarship recipient.
- **Coursework:** Deep Learning, Natural Language Processing, Reinforcement Learning, AI ethics, Multi-Agent Systems.
- Applied Python, Tensorflow, Keras and PyTorch in coursework and projects for building and training AI models.

Sri Ramakrishna College of Arts and Science, *Bsc. in Computer Science* — 2020 - 2023

- Developed foundational skills in software development and explored AI concepts which inspired specialization in the field.
- Used Python and web development tools in various academic projects and competitions.

Projects and Experience

AI Hackathon Winning Project | UG AI Society and Dept. of Computer Science — linkedin post

- Built a machine learning model to predict flood risks based on environmental input parameters.
- Applied **explainability techniques** using **SHAP values** and passed outputs to an **LLM** to generate human readable explanations of the models performance.
- Developed interactive web application using gradio, allowing users to **adjust parameters via sliders** and receive predictions as well as **AI generated explanations**.

RAG for medical queries | Group Project — github link

- Built a Retrieval-Augmented Generation (RAG) pipeline using a **quantized 4-bit LLaMA2-7B model** for efficient inference.
- Preprocessed documents using **chunking**, **sentence-transformer embeddings**, and **vector database** creation for semantic retrieval.

Skin Cancer Classification Web-App — github link

- Developed a **CNN-based** classifier using AlexNet architecture in **Tensorflow/Keras** to categorize skin lesions as benign or malignant.
- Handled imbalanced dataset using **augmentation** and **stratified sampling**; improved prediction accuracy by optimizing **learning rate** and **weight decay**.
- Integrated the model into a functional web interface with **Flask**, demonstrating end-to-end deployment skills.

Inmakes Infotech | Python Full Stack Intern — Nov 2023 - Feb 2024

- Designed and implemented **Django-based** web applications integrating Python and relational databases using **PostgreSQL**.
- Independently built **CRUD functionality**, **user authentication**, and **responsive interfaces** using **Bootstrap**.
- Gained experience in **debugging**, **code review**, and **reading documentation** to solve real-world development issues.

Visual Infomedia | Full Stack Intern — Mar 2024 - Aug 2024

- Developed and maintained websites using **HTML**, **CSS**, **JavaScript** and **Bootstrap** for client projects.

- Upgraded legacy interfaces and collaborated with a team using **Git** for version control and **project management**.
- Strengthened responsive design capabilities and **UI/UX** awareness through user feedback and iterations.

Conference Webpage | SRCASM 2021   March 2021

- Led development of an interactive conference website using **JavaScript** and modern front-end practices.
- Volunteered for the project and was recognized with a **Certificate of Excellence** by the College Principal.
- Demonstrated **initiative**, **teamwork**, and **responsibility** under time constraints.

Part-Time Work

Seapoint Leisure, *Galway, Ireland*   Oct 2024 - Present

- Provided customer service in a busy entertainment venue while balancing academic workload.
- Ensured smooth casino operations by **troubleshooting** and fixing arcade and gaming machines.
- Assisted with **venue logistics**, cleanliness, and **guest satisfaction**, **demonstrating responsibility** and **adaptability**.

Leadership and Volunteering

- **Chairman, Computer Science Department:** Organized intercollegiate event "*Ordusion*" and "*Association Inauguration*".
- **Secretary, Programming Club:** Facilitated peer-led coding challenges and tech sessions.
- **Committee Member at NUIG societies:** Committee member of Geography and Physics societies at NUIG, helped plan and coordinate events and discussions.
- **Volunteered at Akumakon 2025:** Assisted with event coordination, guest services, and merchandise during Ireland's largest anime and Japanese culture convention held at University of Galway.
- **Social Volunteer, Ilam Thalir:** Delivered **awareness seminars on depression** and **coordinated book donation drives**.
- **Shop Manager, Otaku Nadu:** Managed anime merchandise stall and audience engagement through games and card events.

Certifications

- **IELTS:** 7.5 Band.
- TCS iON Career Edge Certification.

References

References Available on request.
For more information about my projects and experiences, or to discuss potential opportunities, please feel free to contact me.