

# Martins Ejike

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## Skills

- **Programming Languages:** Python, C#, Java, JavaScript, SQL
- **Version control:** Git
- **Cloud computing:** Streamlit, Netlify
- **Web Development:** Django, CSS, HTML, JavaScript, APIs, .NET, ASP.NET
- **Machine Learning:** R, Python (PyTorch, Scikit-Learn, RandomForestClassifier, SVC, LogisticRegression, Pandas, NumPy, Tensorflow)

## Experience

### Irish Life January 2023 – September 2023

IT Intern Dublin

- Performing data analytics and visualisations involving large amounts of data on **Microsoft SQL Server Management Studio**.
- Developed a user-friendly login interface for an **ASP.NET** application. This involved making minor design adjustments to enhance user experience using **C# and JavaScript**.
- Ensured data accuracy for new customer onboarding. This included extracting current customer IDs from a database and comparing them with new customer data to identify duplicates. Reduced duplicate customer entries by **99%**.
- Successfully executed a critical data migration from **Oracle to SQL**, involving **millions** of customer records spanning **20** years of data. Leveraged **SQL** queries to compare and reconcile data between the two systems, identifying and resolving **98%** of discrepancies. This migration was instrumental in modernising the company's data infrastructure.
- Automated customer email generation with data retrieval and verification. I built functionalities to retrieve customer data from a database using **SQL** queries, run queries, and generate customised email documents in **Word** format, ensuring the emails were free of errors.

### Ingersoll Rand February 2019 – February 2019

Technical Support Engineer (Work Experience) Dublin

- Demonstrated organisational skills by developing and implementing operational plans for IT systems, ensuring **optimal efficiency** and reliability.
- Provided comprehensive technical support to the sales team, assisting with various computer-related tasks.

## Projects

### GradNav Web App

[GitHub Repo](#)

- Framework: **Django** • Frontend: **HTML, CSS, JavaScript**
- Third-Party APIs: **OpenAI GPT-3.5-turbo & GPT-4** to generate personalised recommendations and **Google API** to fetch and display career images.
- Deployment: **Streamlit**
- Integrated **OpenAI** language models to provide tailored course and career suggestions.
- Implemented a GPT-powered **chatbot** for user assistance and query resolution.
- **Data Processing:** Processed user inputs (subjects, skills, traits, hobbies) using **Python** and **Django**. Cleaned and structured data to enhance recommendation accuracy.

### Predicting Premier League Outcomes Machine Learning Project

[GitHub Repo](#)

- Data Analysis: Analysed and cleaned a dataset comprising of **11,000** rows using libraries like **Pandas** and **NumPy**.
- Model Training: **Scikit-learn** (Logistic Regression, Random Forest, SVM), GridSearchCV.
- **Feature Engineering:** Developed new features like shot accuracy and defensive strength to **improve model accuracy**.
- Model Evaluation: Evaluated models using **accuracy, precision, recall, and F1-Score** metrics. Random Forest achieved the highest accuracy at **63.18%**.
- Tools & Technologies: **Jupyter Notebook, Python, Scikit-learn, Pandas, NumPy**.

## Education

### MSc Computer Science

University College Dublin

**Expected Graduation: May 2025**

- Major in Artificial Intelligence and Software Engineering

Relevant Courses: *Java Programming, Contemporary Software Development, Software engineering*

### BSc Enterprise Computing

**2020 - 2024**

Dublin City University

**Grade: 1.1 First Class Honours**

Relevant Courses: *Advanced Web Design, Machine Learning, Software Engineering, Systems Analysis, App Development, Programming Fundamentals, Databases Management*

## Interests

- Artificial Intelligence, Software Development, Football, Coding, Fitness, Gaming, Fashion

## Achievements

- Became a **Football Association of Ireland** Student Ambassador, and head of recreational 5-a-side football for Dublin City University for the year 2022 – 2023.
- Senior **Prefect** in under 1 year of schooling in the East Manchester Academy, Manchester, United Kingdom.
- **11** IT related certificates, including Machine Learning and Web design.
- Featured Extra, "Fate: The Winx Saga" Season 2, **Netflix** (2022), appeared in multiple scenes as an extra in the popular Netflix teen drama series.
- Completed full driver's test first time.