Reeve Marc Barreto

+353892359434 | reevemarcbarreto@gmail.com | linkedin.com/in/reeve-barreto | Dublin

PROFILE

Recent Master's graduate in Computing with a focus on Artificial Intelligence, achieving First Class Honours and Dean's List recognition. Skilled in full-stack development, data analytics, and machine learning, with a proven track record of delivering impactful projects. Experience spans software development, digital marketing, and innovative research in AI applications. Seeking to leverage strong academic foundation and practical experience in a challenging role within the tech industry.

EDUCATION

Dublin City University   Dublin, Ireland
Masters in Computing, Major in Artificial Intelligence   *09/2023 – 09/2024*

- Achieved First Class Honours
- Named to the **Dean's Honours List 2024**, recognizing top academic performers
- Coursework: Data Analytics & Data mining, Artificial Intelligence, Machine Learning, Statistical Data Analysis

Parvatibai Chowgule College of Arts and Science   Goa, India
Bachelors in Science, Major in Computer Science   *08/2020 – 05/2023*

- Grade: CGPA of 8.9 of 10
- Coursework: Embedded & Electonic Systems, Operating Systems, Computer Architecture, Distributed Systems

EXPERIENCE

Software Developer & Digital Marketing Specialist   01/2024 – 07/2024
Born In Goa   *UK*

- Designed and developed the company's e-commerce website from scratch, showcasing full-stack development skills
- Contributed to product design by creating graphics for t-shirts, demonstrating versatility and creative skills
- Devised and executed digital marketing strategies, resulting in 80% increase in online sales and brand visibility
- Utilized analytics tools to track website performance and user behavior, implementing data-driven improvements
- Collaborated closely with the founding team to align technical solutions with business goals and brand vision

Software Developer   06/2023 – 12/2023
Pratos de Goa   *Wokingham, UK*

- Independently designed, developed, and launched a full-stack web application for a local business, demonstrating strong self-management and project execution skills
- Implemented SEO best practices and integrated analytics tools, resulting in a 60% increase in organic website traffic
- Devised and executed a targeted digital marketing strategy, leading to a 120% increase in brand reach and significantly enhancing the business's online presence
- Managed the entire project life cycle from initial concept to final deployment, including post-launch maintenance and updates

Software Development Engineer Intern   07/2022 – 08/2022
OPTEL Group   *Goa, India*

- Spearheaded the development of a duty and calendar management application, demonstrating initiative and problem-solving skills in addressing a critical team need
- Collaborated effectively in an Agile environment, participating in sprint planning, daily stand-ups, and retrospectives
- Actively engaged in code reviews, providing constructive feedback and incorporating best practices to improve overall code quality
- Gained valuable exposure to enterprise-level software development process, version control systems, and CI/CD pipelines

PROJECTS

Formula 1 Strategy Dashboard | *Python, Data Analytics, API Integration*   07/2024 – 08/2024
- Engineered a comprehensive F1 strategy dashboard using FastF1 API, pandas, and numpy for data manipulation
- Implemented advanced feature engineering techniques on lap, race, car, and driver data using scikit-learn
- Developed interactive visualizations with Plotly and Dash, enabling real-time strategy adjustments
- Utilized machine learning models to predict pit stop timings and tire degradation, improving strategy accuracy by 25%

Novel Chess Evaluation Research | *Deep Learning*   12/2023 – 07/2024
- Conducted groundbreaking research on neural network-based chess evaluation functions
- Implemented and compared various deep learning architectures using TensorFlow and Keras
- Achieved a 25% improvement in evaluation speed and a 10% increase in accuracy compared to traditional methods
- Presented findings at the university, receiving commendation for innovative approach

Etsy Product Classification | *Deep Learning, Torch, Python, NLP, Computer Vision*   02/2024 – 04/2024
- Developed a multi-modal deep learning model to classify Etsy products across four categories
- Engineered a custom architecture combining CNNs for image processing and BERT for text analysis
- Implemented data augmentation techniques, increasing the training set by 300% and improving model robustness
- Achieved an F1-score of 0.61, outperforming the baseline model by 20%

Fantasy Football Tips | *Python, Data Analytics, Machine Learning*   01/2024 – 04/2024
- Created an ensemble machine learning model to predict Fantasy Premier League player points
- Utilized web scraping and API integration to collect comprehensive player statistics
- Implemented feature selection using Random Forest and gradient boosting techniques
- Achieved a 30% improvement in prediction accuracy, validated through cross-validation and backtesting
- Deployed the project to Kaggle, garnering 200+ users in the first month

TECHNICAL SKILLS

Languages: Python, C/C++, TypeScript, Java, SQL (MySQL, Postgres), HTML/CSS, R, Go
Frameworks: React, NextJs, NodeJs, TensorFlow, Torch, Prisma
Developer Tools: Git, Docker, GitHub, AWS, Tableau
Additional Skills: Data Structures & Algorithms, Distributed Systems, Agile Methodology, Data Flow

CERTIFICATIONS

DataCamp Data Scientist Associate Certificate (January 2024)

INTERESTS AND ACHIEVEMENTS

- Won 2nd place in the All Goa Statewide Hackathon at Don Bosco College of Engineering, demonstrating problem-solving skills and teamwork under pressure

- Active member of programming-focused Discord communities, regularly providing mentorship and technical advice to budding programmers, fostering a collaborative learning environment

- Participated in the Lego Robot Building Competition at Dublin City University, applying practical engineering and programming skills in a creative, hands-on challenge

- Avid chess player, competing in local tournaments and analyzing games to improve strategic thinking

- Enthusiast of open-source contributions, regularly participating in coding challenges and hackathons to stay current with emerging technologies