






Anna Elsa Luiz

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Education

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| Master of Science in Applied Statistics and Data Analytics (GPA: 4.13 / 5.00) <i>St Teresa's College</i> | June 2021- May 2023 <i>Ernakulam</i> |
| Bachelor of Science in Mathematics (GPA: 9.09 / 10.00) <i>St Teresa's College</i> | June 2018- May 2021 <i>Ernakulam</i> |

Technical Skills

Languages: Python, SQL, C++ **Databases:** MySQL, MongoDB **Cloud:** AWS, GCP
Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, Tensorflow, PyTorch
Knowledge Areas: Debugging, Web Scraping, Machine Learning, Neural Networks, NLP, MLOps
Soft Skills: Storytelling, Presentation, Documentation, Problem Solving, Effective Communication

Experience

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| Data Science Apprenticeship <i>iNeuron.ai</i> | June 2023 – June 2024 <i>Remote</i> |
| <ul style="list-style-type: none">Familiar with debugging, logging, and modular programming for ML projects. Acquainted with Linux commands and Git for code maintainability.Experienced in end-to-end ML pipelines, including Data Preprocessing, Exploratory Data Analysis, Feature Engineering, and Model building. Proficient in deployment processes and CI/CD integration.Utilized AWS and GCP for scalable ML deployments and MLOps tools for operations. Completed projects in ML, NLP, and computer vision, fine-tuning models such as VGG16, YOLOv7, and Transformers for NLP tasks. | |

Projects

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| Named Entity Recognition <i>Huggingface BERT-base-cased, Flask, CircleCI</i> | |
| <ul style="list-style-type: none">Developed a Named Entity Recognition (NER) tool with 93% accuracy by fine-tuning a Huggingface bert-base-cased model, enabling keyword comparison.Established data storage in Google Cloud Platform (GCP) and engineered a user interface using Flask API to automate the complete pipeline.Executed production-grade deployment utilizing Docker, GCP, and CircleCI to ensure robust and scalable infrastructure. | |
| Industry Safety Detection <i>PyTorch, YOLOv7, Flask, AWS, GitHub Action</i> | |
| <ul style="list-style-type: none">Implemented an Industry Safety Detection system with YOLOv7 and PyTorch for worker safety in industrial and construction sites.Built a CI/CD pipeline with Docker, AWS, and GitHub Actions, reducing deployment time by 40% and ensuring consistent, reliable releases. | |
| US Visa Approval <i>ML, EvidentlyAI, Flask, AWS</i> | |
| <ul style="list-style-type: none">Engineered an ML solution for hiring firms to efficiently identify visa-eligible candidates.Conducted data cleaning, preprocessing, feature engineering, and hyperparameter tuning to optimize an ML solution for hiring firms, achieving 97.3% accuracy with K-Nearest Neighbors(KNN).Implemented a user-friendly Flask interface and orchestrated CI/CD deployment with Docker, AWS, and GitHub Actions for seamless deployment, while monitoring data drift with EvidentlyAI. | |

Certification

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| Full Stack Data Science Masters - iNeuron.ai | June 2023 – June 2024 |
| Diploma in Computer Application - State Resource Centre Kerala | 2019 |

Achievements

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| Ramanujan Paper Presentation - Revenue District A Grade | 2016 |
| Pure Construction -Revenue District A Grade | 2016 |