Robin Godinho

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Professional Summary

Results-driven professional with a strong background in data analysis and AI development, skilled at leveraging Data Analytic techniques to deliver actionable insights. Recognized for outstanding interpersonal skills, collaborative nature, and a strategic problem-solving mindset, with a track record of streamlining workflows and delivering measurable outcomes.

Education

MS, Information Management, Data Science track |GPA: 4.0 — University of Maryland, College Park May 2025

Coursework – Data analysis using Python, Database Management (MySQL), Statistical analysis using R (regression, hypothesis testing), Data integration for analytics, Data visualization, Machine Learning, Generative AI

BS, Information Science, Data Analytics track|GPA: 3.8 — University of Maryland, College Park May 2023

Coursework – Object Oriented Programming, Project Management, Data Structures & Algorithms, Web Development

Skills

Programming & Visualization Tools: Python, C++, SQL, MongoDB, R, Tableau, Power BI, NumPy, Pandas, Matplotlib, Seaborn
Collaborative Tools: Visual Studio Code, GitHub, Microsoft Suite, Jira, Asana
Cloud Environments: Amazon Web Services, Microsoft Azure, Google Cloud Platforms (GCP), Salesforce
Certifications: AWS Certified Solutions Architect Associate, Google IT Support Professional
Linguistics: English – Advanced, Portuguese – Advanced, Spanish – Professional

Experience

Graduate Research Assistant|Computer Science Department, University of Maryland Oct. 2023 – Present

- Leveraged Salesforce to manage and analyze detailed case notes, tracking student progress and enhancing academic support.
- Oversaw and processed over 300+ CS students and granted course permissions through the Student Information System (SIS).
- Advised and guided over 50+ students during weekly drop-in sessions, addressing academic needs and fostering decision-making.
- Managed the admission process for the Computer Science Minor, ensuring timely review and accurate evaluation of applications.

Data Engineer Intern|Boston Consulting Group, Washington, DC June 2023 – Sept. 2023

- Built automated ETL pipelines using Python and SQL, improving report accessibility for South African government budgets by 40%.
- Aggregated large-scale consumer energy datasets using Power BI, uncovering insights that led to a 15% increase in energy efficiency.
- Partnered with cross-functional teams to refine energy dissipation data, delivering actionable supply chain insights to stakeholders.
- Streamlined data quality processes while ensuring compliance standards, cutting report approval time by 25% for local governments.

Software Developer Intern|College Park Academy, College Park, MD June 2022 – Aug. 2022

- Collaborated with a cross-functional team to design and develop the official website for CPA increasing site engagement by 35%.
- Partnered with stakeholders to gather requirements and feedback, achieving a 95% satisfaction rate among key users post-launch.
- Incorporated an interactive data dashboard showcasing the charter school's performance compared to others in the region.
- Implemented an iterative Agile approach to the SDLC, resulting in a 2-week early launch of the College Park Academy website.

IT Support Specialist|Universities at Shady Grove, Shady Grove, MD Sept. 2021 – May 2023

- Monitored and optimized daily technical support through TOPDesk, assisting 9 institutions within the Universities at Shady Grove.
- Diagnosed and resolved 50+ technical issues monthly, improving ticketing system uptime by 20% through proactive troubleshooting.
- Provided end-user support documentation for hardware, software, and network systems, reducing helpdesk response time by 30%.
- Managed IT equipment installation and configuration, ensuring smooth user onboarding and minimal downtime during setup.

Projects

Greenhouse Gas Predictor using Machine Learning |Pandas, Scikit learn, Seaborn, SVR, Neural Networks, Clustering
Designed and implemented machine learning models, including Support Vector Regression, Neural Networks, and Clustering, to predict greenhouse gas emissions per capita for 175 countries. Leveraged socioeconomic and environmental indicators to uncover patterns and achieve actionable insights. The project highlights the potential of ML for informed policymaking in climate change.

Amazon Sentiment Analysis using Natural Language Processing |Pandas, Numpy, Seaborn, Matplotlib, NLTK, Vader
Developed a machine learning model to classify sentiment in Amazon product reviews using NLP techniques like tokenization and vectorization. Leveraged Python libraries such as nltk, pandas, and matplotlib for data preprocessing. This project demonstrates the power of data-driven insights for understanding consumer behavior and improving user experience.

Professional Affiliations

- **LSAMP Research Symposium (U.S National Science Fund)** - Graduate Researcher
- **Information Science Student Committee -** Student Representative 2022-2023
- **National Society for Black Engineers (NSBE)** - Active Member since 2021
- **DC Tutoring and Mentoring Initiative (DCTMI)** - Active Member since 2020