# Robin Godinho

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## Education

**Master of Science, Information Management** | GPA: 4.0 | University of Maryland · May 2025
*Coursework – Data Analysis, Database Management, Big Data, Data Governance, Cloud Architecture, Generative AI*

**Bachelor of Science, Information Science** | GPA: 3.8 | University of Maryland · May 2023
*Coursework – Object Oriented Programming, Project Management, Data Structures & Algorithms, Machine Learning*

## Skills

**Programming**: Python, MySQL, C++, R, JavaScript, React Native, Linux, Next js, HTML, CSS
**Data Analytics:** Apache Spark, PySpark, Kafka, Tableau, Power BI, Hadoop, Snowflake, Airflow, Splunk, DynamoDB
**Cloud & DevOps:** GCP, AWS, Microsoft Azure, BigQuery, Pub/Sub, NetSuite ERP, Salesforce EDA, SharePoint, Intune, Power Automate
**Generative AI:** Natural Language Processing, Predictive Modeling, AI automation, Reinforcement Learning, TensorFlow, n8n
**Collaborative Tools**: GitHub, Teams, Jira, Asana, Visio, Agile & Scrum Methodologies, CI/CD, Version Control, GDPR, PII, FERPA
**Linguistics:** English (fluent), Portuguese (fluent), Spanish (professional proficient)

## Experience

**Data Analyst & IT Support Specialist** | **Global Edge Consultants,** The Woodlands, TX · Jan. 2025 – Present
- Designed and executed strategic automation workflows using Power Automate, reducing Finance and HR processing time by 60%.
- Built and maintained 10+ real-time Power BI dashboards to track KPIs, support performance reviews, and strategic business planning.
- Supported the data migration of 7TB from OneDrive to SharePoint, and implemented a scalable ETL pipeline for the data warehouse.
- Oversaw compliance and lifecycle management for 80+ corporate devices in Intune, strengthening IT governance and audit readiness.

**Graduate Research Assistant** | **University of Maryland,** College Park, MD · Oct. 2023 – May 2025
- Leveraged Salesforce EDA and SIS to manage and analyze case records, improving student service response times by over 30%.
- Oversaw and processed over 100 CS students and granted course permissions through the Student Information System.
- Advised and guided over 50+ CS 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** | **Boston Consulting Group,** Washington, DC · Jan. 2022 – May 2023
- Engineered automated ETL pipelines using Python and SQL, improving report accessibility for the local 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.
- Enforced robust data governance practices aligned with GDPR and HIPAA, ensuring compliance while supporting strategic execution.

**Technical Project Manager** | **College Park Academy,** College Park, MD · Jun. 2021 – Aug. 2021
- Led a cross-functional team of engineers and data analysts for the redesign of CPA official website, using React and HTML.
- Partnered with stakeholders to gather requirements and feedback, achieving a 95% satisfaction rate among key users post-launch.
- Incorporated an interactive Tableau 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 · Sep. 2019 – Dec. 2021
- 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 help desk response time by 30%.
- Managed IT equipment installation and configuration, ensuring smooth user onboarding and minimal downtime during setup.

## Projects

**Real-time Cloud Data Pipeline with BigQuery and Pub/Sub** | GCP, Restful API, Docker, Pub/Sub, Apache Spark
- Designed and implemented a real-time news ingestion pipeline using Google Cloud Pub/Sub for asynchronous message queuing and BigQuery for structured storage and analytics.normalization with Python, and containerized the workflow using Docker.
- Leveraged Apache Spark to parallel-process unstructured text at scale and applied TextBlob for sentiment scoring. Queried the data using SQL in BigQuery to extract trends and sentiment distributions across sources and regions, enabling real-time insights.

**Greenhouse Gas Predictor using Machine Learning** | Pandas, Scikit learn, Seaborn, SVR, Neural Networks, Clustering
- Designed and implemented machine learning models, including SVR, Neural Networks, and Clustering, to predict greenhouse gas emissions per capita for 175 countries. Leveraged socio-economic and environmental indicators to uncover patterns.
- Visualized results using Seaborn to highlight the impact of key features and regional emission trends for policymakers and stakeholders. Tuned hyperparameters and evaluated models using performance metrics to improve prediction accuracy.