

Darwhin Gomez

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[LinkedIn](<https://www.linkedin.com/in/darwhin>) | [GitHub](<https://github.com/DarwhinG>)

Summary

Solutions-focused technologist with experience designing AWS architectures, automated data pipelines, a

Core Competencies

- Python (pandas, scikit-learn, seaborn, PyTorch)
- SQL / NoSQL
- AWS (EC2, S3, Lambda, RDS, DynamoDB, Glue, QuickSight)
- Data Visualization (QuickSight, Power BI)
- ETL/ELT & Data Modeling
- Statistical Analysis & Machine Learning
- Automation & CI/CD
- Agile/Scrum Methodologies
- Database Management (PostgreSQL, Oracle, MySQL, MongoDB)

Professional Experience

Solutions Architect Intern

Amazon Web Services (AWS), Arlington, VA (Remote/Hybrid)

Jun 2025 – Sep 2025

- Designed and presented secure, scalable AWS reference architectures for enterprise customers.
- Built POCs combining Bedrock LLMs with Athena/Glue/Lambda analytics to deliver actionable sentiment analysis.
- Automated a sentiment-analysis pipeline processing 1M+ records and surfaced real-time QuickSight dashboards.
- Fine-tuned models in SageMaker using instruction training, improving accuracy by ~5% and reducing toxic outputs.

Software Developer Intern

WOPLLI Technologies, Remote, NY

Jun 2024 – Sep 2024

- Designed a Virtual Credential System for decentralized identity ecosystems.
- Configured and tested Azure cloud environments for application hosting and deployment.
- Developed API integration and testing scripts using Postman.

IT Support Intern

Mayor's Office of Information Services, New York, NY

Feb 2024 – May 2024

- Automated troubleshooting workflows via Python scripts to reduce manual workload.
- Monitored logs and CrowdStrike dashboards to escalate abnormal activities.
- Supported VIP users with secure access (Active Directory, VPN, VOIP).

IT Instructor Assistant

RF CUNY & Generation USA (Choose-U), Remote, NY

Feb 2022 – Aug 2023

- Delivered 36 lessons covering IT support, Linux, PowerShell, and scripting for 200+ learners.
- Maintained a 96% cohort graduation rate through data-driven instruction.

Projects

Alfred – Personal Agentic Job Search Assistant

- Developed a personal agentic job search assistant using FastAPI and OpenAI GPT-4.1 for automated resume parsing and job matching.
- Implemented a Retrieval-Augmented Generation (RAG) system using PostgreSQL to store and retrieve past job postings.
- Reduced time required to apply to job postings by 60% and increased completed applications per week by 50%.

Education

****Master of Science – Data Science and Machine Learning****

City University of New York – School of Professional Studies

Expected Jan 2026, GPA 4.0

****Bachelor of Technology – Computer Information Systems****

City University of New York – NYC College of Technology

Jun 2024, GPA 3.78, Dean's List (5x), National Honor Society

Certifications

- AWS Certified Solutions Architect – Associate
- AWS Certified AI Practitioner – Generative AI
- Google Cybersecurity Certificate
- Google Information Support Certificate

Additional Information

****Interests:**** AI Ethics and Responsible AI, NYHackR R based community, Society of Hispanic Professional Engineers