

Darwhin Gomez

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Location: New York, New York

LinkedIn: [LinkedIn](https://www.linkedin.com/in/darwhin)

GitHub: [GitHub](https://github.com/DarwhinG)

Summary

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

Core Competencies

- Python (pandas, scikit-learn, seaborn, PyTorch)
- SQL / NoSQL
- AWS (EC2, S3, Lambda, RDS, DynamoDB, Glue, QuickSight, Bedrock, Macie, SageMaker)
- Azure (App Service, Functions, Storage)
- ETL/ELT (Glue, SSIS) & Data Modeling
- Data Visualization (QuickSight, Power BI)
- APIs (REST, FastAPI, Postman, Swagger)
- Automation & CI/CD
- Agile/Scrum Methodologies
- Software Development Life Cycle (SDLC)

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 insights.
- 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 content.

Software Developer Intern

WOPLLI Technologies*, Remote, NY

Jun 2024 – Sep 2024

- Designed a Virtual Credential System for decentralized identity ecosystems.
- Developed API integration and testing scripts using Postman.
- Managed relations with 3rd-party vendors to ensure timely delivery of project components.

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.
- Supported VIP users with secure access (Active Directory, VPN, VOIP).
- Maintained IT asset inventory using ServiceNow.

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

- FastAPI + OpenAI GPT-4 Mini system that automates resume and cover-letter generation with RAG.
- Implemented GitHub ingestion and job-board APIs for sourcing opportunities.
- Built Resume/Cover Letter pipelines leveraging cosine similarity to match jobs.

Education

Master of Science – Data Science and Machine Learning

City University of New York – School of Professional Studies

Expected Jan 2026

- GPA 4.0, Dean's List 2x

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 and Social Activities

- AI Ethics and Responsible AI- CUNY SPS AI Club
- NYHackR R based community
- Society of Hispanic Professional Engineers
- Science Fiction Literature
- Chess
- Basketball
- Poker