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DARWHIN GOMEZ

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## CERTIFICATIONS

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

## EDUCATION

City University of New York – School of Professional Studies

Master of Science - Data Science and Machine Learning, GPA 4.0, Expected Jan 2026

City University of New York – New York City College of Technology

Bachelor of Technology - Computer Information Systems, GPA 3.78, June 2024

Dean's List (8x), National Honor Society

## PROFESSIONAL EXPERIENCE

Solutions Architect Intern - Amazon Web Services (AWS) | Arlington, VA (Remote/Hybrid)

Jun 2025 – Sep 2025

- Designed and presented secure, scalable AWS architectures tailored to enterprise client needs.
- Developed proof-of-concept solutions integrating Generative AI (Bedrock), data analytics (Athena, Glue,
- Performed cost optimization and security assessments across AWS workloads, improving efficiency and
- Built and deployed a fully automated sentiment analysis pipeline processing over 1M feedback records, e
- Fine-tuned foundational models in Amazon SageMaker using instruction training, achieving a 5% increase

Software Developer Intern - WOPLLI Technologies | Remote, NY

Jun 2024 – Sep 2024

- Designed Virtual Credential System (VCS) for decentralized identity ecosystems.
- Configured and tested Azure environments for application hosting and deployment.
- Produced data flow and architecture diagrams aligned with data governance policies.

IT Support Intern - Mayor's Office of Information Services | New York, NY

Feb 2024 – May 2024

- Automated troubleshooting with Python scripts, reducing manual workload.
- Monitored logs with SOAR and SIEM tools to identify abnormal activities.
- Supported VIP users, ensuring secure system access (Active Directory, VPN, VOIP).

IT Instructor Assistant - RF CUNY & Generation USA (Choose-U) | Remote, NY

Feb 2022 – Aug 2023

- Delivered 36 lessons on IT support, Linux, PowerShell, and scripting for 200+ learners.
- Achieved a 96% cohort graduation rate by tailoring instruction with learner data insights.

## TECHNICAL PROJECTS (ONGOING)

Alfred: Personal Agentic Job Search Assistant

- Designed and developed a personal agentic job search assistant using FastAPI (Python) and OpenAI GPT-4 API.
- Implemented a Retrieval-Augmented Generation (RAG) system using a PostgreSQL database with pgvector extension.
- Established a CI/CD pipeline and Docker deployment for the FastAPI server and database, ensuring robustness and scalability.
- Built GitHub ingestions and job board API integrations for posting and fetching jobs, along with automated alerting for new opportunities.

- Leveraged cosine similarity to match candidates to best-fit jobs, reducing time required to apply to job posts

#### TECHNICAL EXPERTISE

- Cloud: AWS (EC2, S3, Lambda, RDS, DynamoDB, Glue, QuickSight, Bedrock, Macie, SageMaker)
- Data & ML: Python (pandas, scikit-learn, PyTorch, seaborn), R, SQL, NoSQL, Forecasting, Anomaly Detection
- AI: Generative AI (LLMs), Model Experimentation, Operations (Governance & Guardrails, prompt structures)
- Security: SIEM, IDS, Active Directory, Linux
- Visualization: Power BI, Tableau, Python (Matplotlib, seaborn), R (ggplot)
- Developer and Integration: Git, GitHub, Docker

#### LANGUAGES

- English (Fluent)
- Spanish (Fluent)

#### PROFESSIONAL COMMUNITIES

- Society of Hispanic Professional Engineers
- NYC HackR – Data & AI Meetup Community (2024 – Present)
- CUNY SPS AI Club – AI Research & Industry Presentations (2024 – Present)

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