

Ashir Rashid

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EDUCATION

New York University Abu Dhabi

B.S. in Computer Science

Abu Dhabi, UAE
Estimated Graduation: May 2026

Relevant Courses

Algorithmic Foundations of Data Science, Foundations of ML, NLP, Algorithms, Data Management and Analysis

Certifications

AWS Certified Cloud Practitioner

Jan 2025 - Jan 2028

WORK EXPERIENCE

GamaLearn

Data Scientist

Abu Dhabi, UAE
May 2025 - Present

- Partnered with analytics and product stakeholders to define KPIs and provide data-driven progress updates.
- Orchestrated end-to-end Airflow **ELT** workflows processing **100,000+ records**, coordinating data dependencies, and ensuring reliable on-time delivery of analytics outputs.
- Delivered automated **KPI dashboards**, reducing manual report generation time from ~one hour to just minutes.
- Led structured model validation efforts through backtesting and statistical evaluation, ensuring alignment with defined performance KPIs, resulting in a boost in accuracy by **25%** and a reduction in calibration ECE loss by **30%**.
- Presented structured performance updates to **cross-functional** teams, translating technical progress into actionable business insights.

eBrain Lab

Vision Deep Learning Research Assistant

Abu Dhabi, UAE
Aug 2025 - Present

- Designed evaluation datasets to identify system blind spots and improve model validation rigor for testing scenarios.
- Enhanced model evaluation methodology to address performance gaps, improving balanced accuracy by **~7%**.
- Engineered a flexible per-segment **evaluation framework** that applies metrics and losses at the lesion level, closing critical gaps in existing algorithms (GSL) and enabling far more precise **model diagnostics**.
- Coordinated testing iterations and evaluation cycles across research contributors, ensuring structured experimentation and consistent performance tracking.

Quantization Deep Learning Research Assistant

May 2023 - July 2025

- Collaborated with leading experts to optimize Deep Neural Network and Large Language Model configurations using structured experimentation frameworks, improving performance by **15%** and reducing iteration time by **43%**.
- Streamlined experiments with an **MLFlow**-based **MLOps** pipeline, reducing experiment iteration time by **12%**.

Gantom Lighting & Controls

Full Stack Engineer

California, US (Remote)
Jan 2022 - Jul 2023

- Led **end-to-end** development and deployment of a cloud-hosted web application on **Google Cloud**, coordinating backend, database, and UX workflows to ensure production-ready launch and **28%** increase in user engagement.
- Designed and deployed a **Firestore** database storing **500+** products, enabling efficient data storage and retrieval.
- Reduced page load time by **22%** through database optimizations, caching, and asset compression strategies.

OPEN-SOURCE EXPERIENCE

IntelOwl

Open-source OSINT solution for gathering threat intelligence data

Jan 2023 - Present

- Collaborated with distributed maintainers and contributors to scope, implement, and review feature enhancements, ensuring alignment with project architecture and release standards.
- Integrated the CheckPhish API into the React front-end, strengthening phishing detection capabilities while coordinating backend compatibility and deployment workflows.

PERSONAL PROJECTS

Source code for these projects is available on my GitHub

- Gmail RAG - LangChain, LLMs: **End-to-end** RAG pipeline for Gmail data, enabling semantic search and retrieval.
- Better RAG - Elasticsearch, HPC: Using Information Extraction techniques to improve **RAG** retrieval accuracy.
- P2P File Sharing - Python, Sockets: A file transfer app utilizing a peer-to-peer approach, similar to BitTorrent.

SKILLS

- Core Competencies: Technical Program Coordination, Cross-Functional Collaboration, Release & Dependency Management, Workflow Orchestration, Production Deployment, KPI Tracking & Reporting, Data Analysis, Dashboard Development, Performance Monitoring
- Frameworks: SQL, Excel, Tableau, Power BI, AWS, AWS Certified Cloud Practitioner, Google Cloud Platform (GCP), Airflow, MLflow, Docker, Kubernetes, CI/CD (GitHub Actions), Git, Python, JavaScript, TypeScript, Django, FastAPI, REST APIs, PostgreSQL, Elasticsearch