

Ashir Rashid

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EDUCATION

New York University Abu Dhabi

B.S. in Computer Science

Abu Dhabi, UAE

Graduation Date: 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

- Developed and deployed **end-to-end machine learning** solutions within Azure ML Studio, leveraging managed endpoints to provide **real-time model inference** for critical business logic.
- 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

May 2023 - May 2025

- Designed comprehensive **evaluation datasets** to pinpoint system vulnerabilities and enhance model validation, which led to a **7%** increase in balanced accuracy for critical vision segmentation tasks.
- **Collaborated with radiologists** and research teams to develop a **modular evaluation framework** that enabled more granular analysis of model performance, ensuring technical decisions were backed by robust data.
- Optimized Deep Neural Network and Large Language Model configurations using an **MLFlow-based MLOps** pipeline, improving performance by **15%** and reducing iteration time by **43%**.

Gantom Lighting & Controls

Full Stack Engineer

California, US (Remote)

Jan 2022 - Jul 2023

- Led the **full-cycle** development and deployment of a production-ready web application on **Google Cloud Platform**, owning the process from initial **UX design in Figma** to final **Django** backend architecture and cloud orchestration.
- Refined technical outcomes by directly surveying customers to identify pain points, translating user feedback into iterative feature enhancements that resulted in a **28%** increase in engagement.
- Engineered a **Firestore database** architecture for **500+** infrastructure products and implemented caching and asset compression strategies, reducing page load times by **22%** to ensure high-performance reliability for end-users.
- Partnered with **design and technical teams** via Asana and GitHub to coordinate complex backend, database, and UX workflows, ensuring technical decisions aligned with the needs of the final user.

OPEN-SOURCE EXPERIENCE

IntelOwl

Open-source OSINT solution for gathering threat intelligence data

Jan 2023 - Present

- Collaborated with 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

- Languages: Python, JavaScript, TypeScript, C++, C, Bash, GDScript, Emacs Lisp, SQL
- Cloud: Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP)
- Frameworks: PostgreSQL, Excel, Power BI, Airflow, React, MLflow, Docker, Kubernetes, CI/CD (GitHub Actions), Git, Django, FastAPI, REST APIs, Elasticsearch