Ashir Rashid

Abu Dhabi | Portfolio | ar7789@nyu.edu | LinkedIn | GitHub | +971568911927

EDUCATION

New York University Abu Dhabi   Abu Dhabi, UAE
B.S. in Computer Science   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   Abu Dhabi, UAE
Data Scientist   May 2025 - Present
- Partnered with product and analytics stakeholders to **define KPIs** and bridge the gap between technical progress and business objectives through structured data-driven updates.
- Orchestrated **end-to-end Airflow ELT** workflows processing **100,000+ records**, ensuring predictable, high-quality execution and reliable delivery of product data dependencies.
- Delivered **automated KPI dashboards** that reduced reporting frequency from **hours to minutes**, facilitating insight-driven communication and faster decision-making for senior stakeholders.
- Evaluated model performance through structured **backtesting** and statistical analysis, ensuring alignment with strategic product KPIs and achieving a **25% boost in accuracy**.
- Reported performance updates to **cross-functional teams**, translating complex technical progress into actionable business insights to guide product improvements.

eBrain Lab   Abu Dhabi, UAE
Vision Deep Learning Research Assistant   Aug 2025 - May 2023
- Designed evaluation datasets to identify system blind spots and improve model validation rigor for testing scenarios.
- 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**.
- 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   California, US (Remote)
Full Stack Engineer   Jan 2022 - Jul 2023
- Led the **end-to-end** development and deployment of a cloud-hosted application, coordinating **technical and UX workflows** to ensure a **28%** increase in user engagement post-launch.
- Designed and deployed a **Firestore** database solution for **500+ product entities**, enabling efficient data storage and retrieval to support rapid product iteration.
- Optimized platform performance by reducing page load times by **22%**, leveraging database and caching strategies to enhance the overall customer experience.

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.

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