ARYAM ASEIRI

Data Scientist & AI Engineer

Jeddah, Saudi Arabia | aryamaseiri@gmail.com | 0xaryam.github.io/aryam-website | linkedin.com/in/aryamaseiri

PROFESSIONAL SUMMARY

Statistics student at King Abdulaziz University specializing in Artificial Intelligence and Data Analytics. Experienced in machine learning, deep learning, computer vision, natural language processing, and IoT-driven smart city systems. Demonstrated ability to design and deploy AI models for real-world applications. Top-10 finisher in national AI hackathons with hands-on research experience at KAUST. Active contributor to the Arabic tech community with a published portfolio of 5+ AI projects.

TECHNICAL SKILLS

Programming Languages: Python, SQL

Machine Learning: Supervised Learning, Unsupervised Learning, Regression, Classification, Clustering

Deep Learning: Neural Networks, CNNs, Transfer Learning, TensorFlow, Keras, PyTorch

Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn, Power BI

AI & Emerging Technologies: Computer Vision, NLP, Generative AI, IoT, Smart City Systems

Tools & Platforms: Jupyter Notebook, Google Colab, Git

Soft Skills: Technical Writing, Research, Project Management, Public Relations

PROFESSIONAL EXPERIENCE

AI Research Trainee

KAUST - King Abdullah University of Science and Technology | Oct 2024 - Jan 2025

- Conducted applied research in artificial intelligence and data analytics with a focus on smart city systems and IoT architectures.
- Collaborated with faculty and researchers on advanced ML pipelines and computational models.
- Co-authored and published technical reports on AI innovations and emerging technology trends.

AI & Data Science Trainee

SDAIA Bootcamps & Saudi Digital Academy | Feb 2022 - Dec 2023

- Completed intensive training in artificial intelligence, machine learning, and big data processing.
- Built and evaluated predictive models using Python, applying data preprocessing and feature engineering.
- Developed data-driven solutions for business and government use cases on real-world datasets.

Public Relations Manager

Ertwa Technology Platform | 2023 - Present

- Lead communications and community engagement for an emerging Saudi AI and tech platform, promoting AI literacy and digital innovation across the Arabic tech community.

KEY ACHIEVEMENTS

- Designed and deployed an AI-powered computer vision device achieving 94% accuracy in real-time metal sediment detection on real-world flood data, integrating geological analysis.
- Ranked Top 10 in national AI hackathons, competing against teams from leading Saudi universities.
- Co-authored published technical research reports during KAUST Applied AI Research Program.
- Delivered 5+ featured AI and data science projects available on personal portfolio (0xaryam.github.io).
- Active researcher and content creator at ScienceWorks Arabic, contributing to AI knowledge in the Arabic tech community.

FEATURED PROJECTS

AI Flood Detection Device

Computer vision system achieving 94% accuracy in real-time metal sediment detection post-floods, integrating geological data analysis.

Predictive Analytics & Image Classification Models

Developed and deployed machine learning models for image classification and predictive analytics on real-world datasets, achieving 94% classification accuracy and meeting production-ready benchmarks.

Smart City IoT System (KAUST)

Designed IoT-driven solutions for urban intelligence as part of KAUST's Applied AI Research Program, with focus on computational models for smart infrastructure.

EDUCATION

Bachelor of Science in Statistics

King Abdulaziz University (KAU) | Present

- Specialization: Artificial Intelligence and Data Analytics
- Key Courses: Machine Learning, Data Science, Programming, Generative AI, Statistical Modeling
- Research Focus: AI-driven smart city solutions and IoT applications

Data Analytics, AI & Machine Learning Program

Tuwaiq Academy | 2023 - Present

- Intensive program covering data analytics, AI, and big data processing with hands-on Python, SQL, and ML frameworks.

CERTIFICATIONS

- Applied Data Science with Python - University of Michigan
- HCIA-AI - Huawei Certified ICT Associate in Artificial Intelligence
- Deep Learning Specialization - DeepLearning.AI
- Certified AI Foundations Associate - Oracle (Issued July 2025)
- Nanodegree in Generative AI - Udacity

ADDITIONAL INFORMATION

Languages: Arabic (Native) | English (Proficient)

Interests: IoT and Smart City Development, AI Content Creation, Open Source Research