Mohammed Alrehaili

Data Science | Data Analysis | AI

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PROFILE

Accomplished Computer Science graduate with expertise in artificial intelligence, data science, and data analysis. Recognized through national-level awards, including Best AI Project at the Technical and Artificial Intelligence Talents Forum for developing AeroSeed, an AI-driven solution optimizing cloud seeding operations in Saudi Arabia. Proficient in Python, Azure AI services, machine learning, Power BI, and advanced data analysis. Microsoft-certified in Azure AI with hands-on experience in building intelligent systems and transforming data into actionable insights.

EDUCATION

Islamic University   Medina, Saudi Arabia
Bachelor's in Computer Science, GPA: 4.61/5 (With Honors)   *Jul 2020 – Sep 2025*

TECHNICAL SKILLS

Languages: Python, R, Java, C, SQL, JavaScript, HTML/CSS
AI & Machine Learning: Computer Vision (YOLO, OpenCV), RAG Systems, Generative AI (LLMs), PyTorch, Azure AI
Frameworks & Libraries: FastAPI, NumPy, Pandas, Scikit-learn
Tools & Platforms: Git, GitHub, Microsoft Azure, Power BI, VS Code

EXPERIENCE & TRAINING

AI Model Building & Development Bootcamp   Nov 2025 – Jan 2026
Tuwaiq Academy   *Riyadh, Saudi Arabia*
- Participating in intensive training focused on building and deploying advanced AI models
- Developing practical skills in machine learning model design, training, and optimization
- Working on real-world AI projects using industry-standard frameworks and tools

AI Specialist Intern   Jul 2025 – Sep 2025
Valley Taibah Academy   *Medina, Saudi Arabia*
- Designed and executed curriculum for youth training programs, focusing on simplifying complex technical concepts.
- Mentored 30+ students in AI and robotics fundamentals, delivering technical workshops and hands-on coding sessions.
- Facilitated project planning and educational technology deployment for student capstone projects.

PROJECTS & ACHIEVEMENTS

Emad – AI Floor Plan Auditor   Jan 2026 – Jan 2026
Final Project for Tuwaiq Academy   *Python, Computer Vision, Generative AI, FastAPI*
- Automated Saudi Building Code compliance checks using a hybrid Computer Vision and Generative AI pipeline
- Engineered a logic bridge enabling LLMs to validate raw visual data against complex building regulations
- Deployed a scalable FastAPI backend for real-time analysis and correction proposals

AeroSeed – AI-Driven Cloud Seeding Optimization   Oct 2024 – Dec 2024
6th Place HPC/AI Hackathon, Best AI Project Award   *Python, Machine Learning*
- Designed an AI-powered system enhancing cloud seeding by analyzing real-time weather data
- Received Best AI Project at Technical and Artificial Intelligence Talents Forum – Madinah
- Tackles water scarcity in Saudi Arabia through efficient, sustainable cloud seeding operations

Online Gas Cylinder Sales & Distribution System   Jul 2024 – May 2025
Graduation Project   *Full-Stack Web Development*
- Designed full-stack web application modernizing gas cylinder buying and management
- Implemented customer order tracking, secure online payments, and store locator features
- Developed intuitive platform for exchanging and managing gas cylinders

CERTIFICATIONS

- Microsoft Azure AI Fundamentals (AI-900)   Oct 2024 – Nov 2024
- Designing and Implementing a Microsoft Azure AI Solution (AI-102)   Oct 2024 – Nov 2024
- Develop Generative AI Solutions with Azure OpenAI Service (AI-050)   Oct 2024 – Nov 2024
- Data Visualization in Power BI   Apr 2025 – Apr 2025
- Program in Artificial Intelligence – KAUST   Sep 2023 – Nov 2023