

ALANOUD IBRAHIM ALARABEED

Applied AI Engineer | Data, Automation & Full-Stack Systems

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PROFESSIONAL SUMMARY

Applied AI and Automation Engineer with hands-on experience delivering NLP, ERP automation, and data-driven platforms across enterprise and education environments in the UAE. Built and deployed AI systems achieving 89–96% accuracy on real-world datasets, including an ERP automation solution that cut manual invoice processing by 85% and a live learning platform used daily by students in Abu Dhabi. Published researcher in disinformation detection (ISDIA 2025). Comfortable operating end-to-end; from data pipelines and model development to full-stack deployment and stakeholder-facing dashboards; and looking to bring that combination of AI, data, and automation skill to a Digital, Data & AI team.

CORE EXPERTISE

Applied AI & Machine Learning · NLP & LLM Integration · Process & ERP Automation · Data Pipelines & Analytics · Explainable AI (SHAP) · OCR · Full-Stack Engineering · System Architecture · Dashboarding & Reporting · Accessibility-First Design

PROFESSIONAL EXPERIENCE

IT & Digital Transformation Lead — *Mosameh Alarabid Group, UAE* Sep 2025 – Sep 2026

- Architected and deployed a scalable React.js and Next.js platform with modular architecture.
- Implemented Docker-based deployment pipelines and Git workflows to streamline releases.
- Designed the system architecture to support future AI feature integration.
- Built an internal employee management system with separate employee and admin portals for HR data and records.
- Designed two digital product catalogues end-to-end, including all visual assets and content.

Web Design & Development Consultant — *Al Shunnar Trading Solutions, Jordan* Jun 2025 – Jul 2025

- Redesigned a responsive UI/UX system in Figma.
- Built reusable, modular front-end components to enable rapid future expansion.

ERP & Automation Engineering Intern — *Al Jaber Group, Abu Dhabi* Feb 2025 – Apr 2025

- Automated processing of 3,000+ monthly invoices using Python, OCR, and NLP, reducing manual work by 85%.
- Integrated ERP inventory data with JD Edwards, reducing tracking errors by 30%.
- Developed predictive data models using Pandas and Scikit-learn, improving investment decision accuracy by 15%.
- Built internal dashboards to monitor and report on automation performance.

SELECTED AI PROJECTS

AI Disinformation Detection System (LLM + Explainable NLP) 2024

- Built a web platform and Android app integrating LLaMA-based LLMs with network analysis.
- Achieved 96% detection accuracy on a dataset of 30,000+ records in healthcare disinformation.
- Developed a real-time NLP dashboard with SHAP explainability for model transparency.
- Published research paper at ISDIA 2025.

EDUCATION

BSc in Software Engineering — Abu Dhabi University GPA: 3.14

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, SQL

Frameworks: React, Next.js, Flask, Spring Boot

Databases: PostgreSQL, MySQL, MongoDB

AI/ML: Scikit-learn, NLP, OCR, LLM Integration, SHAP

Tools: Docker, Git, GitHub, Postman, Swagger, SonarQube, Figma

PUBLICATIONS

“Disinformation Detection using LLMs and Network Analysis” — ISDIA 2025

LANGUAGES

Arabic (Native) · English (Fluent)