Rana AlSayyari

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Portfolio | LinkedIn

SUMMARY

I learn by building working AI prototypes, and I enjoy both sides of new technology: getting it to work, and teaching and sharing it with others. My favorite part is seeing my work helping people.

EXPERIENCE

NCGR (National Center for Government Resources Systems) **Riyadh, Saudi Arabia**
AI Specialist, Research and Development Jul 2025 - Present

- Build and test **AI-powered prototypes in Python** (gpt-oss, Groq API): a UX research assistant that analyzes user interviews for the UX team, and a document summarizer with local-dialect voice output.
- Self-initiated **AI-generated video briefings** on emerging technologies using generative AI tools; **adopted by C-level leadership** as a monthly update in their meetings.
- Experiment with new AI tools and platforms and share findings through **quarterly emerging-technology reports** (AI, quantum, blockchain, digital assets) and workshops for colleagues and executives.
- Researched and benchmarked **AI project prioritization** approaches and helped design a tool tailored to NCGR's projects and objectives.
- Contributed to the **R&D lab setup** by helping select its devices and software subscriptions.

PIF-owned Saudi Company for Artificial Intelligence **Saudi Arabia**
AI Validator (Freelance) Jul 2023 - Jun 2024

- Validated **computer vision model outputs** for the Visual Pollution Platform, a Smart Cities initiative in five Saudi cities.

PROJECTS

Raqeeb: Real-Time Crowd Monitoring and Safety (Graduation Project) | King Saud University
May 2024 - May 2025

- Built a real-time crowd monitoring prototype in Python: YOLO and OpenCV detection (**97% accuracy**), a PyTorch re-identification model (ResNet/OSNet, **81% accuracy**), and a Flask and MySQL back end with a live analytics and safety-alert dashboard.
- Led the team to a **Top 5 finish among 250+ teams** at the KFUPM GSR Hackathon (Feb 2025); **Best IT Graduation Project**, SAMI 2025.

SADA: Arabic Dialect Classification
Jan 2025 - Apr 2025

- Trained and compared **Logistic Regression and BERT** models, with cross-dialect evaluation to test generalization.

EDUCATION AND TRAINING

King Saud University **GPA 4.81 / 5**
BSc Information Technology, Data Science and AI Track 2021 - 2025

Agentic AI Bootcamp (160 hours): RAG and Agentic AI Systems | Tuwaiq Academy
Jan 2026 - Mar 2026

VOLUNTEERING

Initiative Leader | Future You
Apr 2023 - Sep 2024

- Led a **60-member volunteer team** running workshops and career events focused on CS students, connecting **3,600+ attendees** with industry experts to help them choose a path in tech.

SKILLS

Programming and development: Python, SQL, Flask, MySQL, RESTful APIs, Git, Data Analysis

AI and ML: LLMs, Generative AI, Computer Vision, NLP, Machine Learning, PyTorch, OpenCV, YOLO, BERT

AI tools: AI-assisted coding tools (Claude Code, Codex), generative AI tools

Languages: Arabic (native), English (fluent)