Wael Alanezi

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PROFILE

Software Engineering student (AI & Data Science track) at Prince Sultan University, graduating in 2028, seeking a Summer 2027 internship in software, data or AI. I build data and AI tools, evaluate them with statistics, and present the findings clearly to technical and non-technical audiences. Fluent in Arabic and English; available to start in June 2027.

EDUCATION

Prince Sultan University (PSU), Riyadh | B.Sc. Software Engineering, AI & Data Science track | Expected graduation: 2028

- Coursework: data structures and complexity analysis, software engineering and UML, 3-tier architecture, electronics lab

PROJECTS

Mubsir: AI Price Comparison for Saudi E-commerce | Alenmaa Hackathon 2026

- Built the backend (Spring Boot, SerpAPI, LLM) in a team and led testing and statistical evaluation.
- Measured 84.8% product coverage (28 of 33), 78.1% matching precision (±14.3pp, 95% CI) and 2.5% mean price deviation. Found that 50% of cheapest-store picks were accessories and proposed a relative statistical filter.

AI Lessons Learned System for PMOs | Alenmaa Hackathon and SDAIA Academy program

- Designed an agentic RAG system (LangGraph, Chroma, Streamlit) that retrieves past project lessons and captures new ones through a human approval gate.
- Built the knowledge base from NASA lessons-learned data and synthetic Saudi-context documents; delivered a public repo, README and final presentation deck.

Agentic Personal Assistant | SDAIA capstone

- Built a LangGraph supervisor with three subagents (calendar, knowledge base, email) on a five-stage RAG pipeline with human-in-the-loop approvals.

Drone NDVI Plant Health Mapping | Riyadh Space Lighthouse, PSU

- Member of a 5-student team mapping plant health in the university garden with a drone-mounted NIR camera, scoped as a one to two semester proof of concept on a minimal budget.

LEADERSHIP AND ACTIVITIES

Project Management Club, PSU | Member

- Joined PSU's Project Management Club to learn structured project delivery.

CERTIFICATIONS AND TRAINING

- Introduction to Data Engineering on Google Cloud, Tuwaiq Academy (Sep 2026): data sources and sinks, BigQuery, EL/ELT/ETL pipelines
- MDQM, Master Data Quality Manager (ISO 8000, ECCMA), Jul 2026
- Developing Generative AI Solutions, SDAIA Academy (Jul 2026)
- Building Agentic AI Systems, SDAIA Academy (Jul 2026)
- Introduction to Space Mission Design, Saudi Space Agency Space Academy (Sep 2026)

TECHNICAL SKILLS AND LANGUAGES

- **Data and analytics:** Python, SQL (MySQL), statistical evaluation (confidence intervals, precision@k), data pipelines on Google Cloud (BigQuery, Dataflow, Dataproc)
- **AI:** RAG, LangGraph, ChromaDB, embeddings, LLM APIs, Streamlit
- **Software:** Java, JavaScript, PHP, Spring Boot, React, Git and GitHub, UML
- **Business skills:** structuring problems, presenting findings, team projects
- **Languages:** Arabic and English, both fluent