

EXPERIENCE

- Data & AI Lead, Deputy CEO Office, NEOM** **Aug. 2024 – Apr. 2026**
- Built executive decision support systems automating risk and compliance checks for **high value projects with 360° analysis and human-in-the-loop feedback.**
 - **Owned cloud-native Data & AI platforms** such as **Microsoft Fabric** ensuring pipelines and datasets were secure, reliable, and performant for analytics teams.
 - Built automated, reusable **integrations across enterprise systems** standardizing **data lakehouse patterns**, monitoring, and orchestration to reduce operational overhead and improve cost/performance.
 - **Led engineers as a hands-on technical mentor** setting engineering standards and delivery timelines.
- Data & AI Product Lead, Tech & Digital, NEOM** **Jul. 2022 – Aug. 2024**
- Spearheaded NEOM's **foundational Arabic LLM**, achieving top-tier benchmark performance and recognition as a **national champion.**
 - Represented NEOM as an **official speaker**, delivering stage talks to audiences of **500+ attendees.**
- Automation Engineer Intern, Innovation Team, Saudi Aramco** **Jun. 2019 – Aug. 2019**
- Proposed and implemented, out of my own initiative, OpenCV and automation projects that would yield cost savings of approximately **\$500,000** annually by automating some of the core business processes.
- Lead Researcher, Deanship of Research, KFUPM** **Feb. 2018 – Jan. 2021**
- Managed research grants totaling **\$17,000+** as the Principal Investigator for various research projects in Systems and Machine Learning domain.

EDUCATION

- King Abdullah University of Science and Technology** **Sept. 2020 – May 2022**
M.Sc. in Computer Science
- King Fahd University of Petroleum and Minerals** **Sept. 2015 – May 2020**
B.Sc. in Computer Science with Honors

SELECTED PUBLICATIONS

- Asaad Alghamdi, et. al. (2023) **AraMUS: Pushing the Limits of Data and Model Scale for Arabic Natural Language Processing.** ACL23.
- Asaad Alghamdi, et. al. (2022) **BeeCast: A Device-to-Device Collaborative Video Streaming System.** IWCMC22.
- Asaad Alghamdi, Louai Al-Awami (2021): **Privacy-Preserving Social Distancing Bracelet.** CoRR21.

SKILLS AND CERTIFICATIONS

- **Cloud & Data Platforms:** Microsoft Azure, Palantir Foundry, Microsoft Fabric
- **Data & AI:** LLMs, NLP, Visual LLM, Prompt Engineering, LangGraph/LangChain Agents.
- **Automation & Engineering:** Processes Automation, Embedded Systems, Product Design.
- **Ways of Working:** Agile Methodology, OKR/roadmap alignment, cross-functional delivery.
- **Key Certifications:** Microsoft Azure AI Engineer Associate, Palantir Foundry Data Engineer, Palantir Foundry Application Developer, Palantir Foundry Aware & AIP Builder Foundations, Certified ScrumMaster (CSM), Asana Foundations, Bain CCX1 & CCX2 (Customer Experience & Analytics), Harvard Essential Management Skills for Emerging Leaders