Nasser Abdulrahman Al-Wohaibi

GM of Data , Integration, & Supporting Solutions
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EXPERIENCE

2025- present

GM of Data , Integration, & Supporting Solutions   @ Tatweer Educational Technologies

Spearheaded the development of a high-performance, **SIMD-based parallel computing near-real-time** matching engine for https://uap.sa. Directed the design, development, and deployment of an **LLM-based Conversational Business Intelligence platform** integrated with the enterprise data warehouse, enhancing data-driven decision-making. Currently leading the development and commercialization of an **LLM-based AI Assistant** for educators and students, driving innovation in educational technology. Additionally, led the creation of an **AI-powered OCR** solution for Arabic and English documents, improving document processing accuracy and efficiency.

2023 - 2025

Director of Data & Integration   @ Ministry of Education

Digitization & IT Transformation. With focus on Data Governance, Artificial Intelligence, and Data Insights. Streamlined all **BI and analytics dashboards** thru a new platform "Qiadat". Led the development of all **AI LLM based MVPs**. Led the development and deployment of **SAG integration layer across all MoE systems**. Led the planning and approvals for **data transformation mega project**. Led the development of all AI **data-collections and data-labeling** to be used by **SDAIA ALLAM LLM model** (more than 1GB of labeled data).

2020 - 2022

Senior Project Manager / IT Governance   @ Communication, Space and Technology Commission

Led all IT teams into IT Governance and compliance while maintaining strong teams′ interconnectivity. Led the development and deployment of a **CNN-based AI model to filter/label out images** across national traffic (Project Minkhal). Led the initial studies to bring **cloud-hyper-scalers** and **IoT** networks nationally.

2019 - 2020

National Platforms and Networks Team Lead @ Communication, Space and Technology Commission

Led the development and management of **critical national information platforms and network infrastructure (Filtering & DNS)** by leading national and multinational professionals.

2012- 2018

Information and Internet Engineer   @ Communication, Space and Technology Commission

Led the development and deployment of: 1. new **filtering systems thru open-source frameworks** only, 2. **Real-time event-based and rule-based alerts system** (Project Monther), 3. Internet websites **crawling and labeling system** (Project Mesbar), 4. **Performance reports systems in real-time**, 5. **CI/CD** pipelines, 6. **pattern recognition and rule-based data-formation and cleansing**.

2010- 2011

Programmer Analyst   @ SABIC

Specialized in leveraging **SAP Business Intelligence** products to enhance data-driven decision-making. Successfully implemented and optimized BI solutions, **streamlining reporting processes** and improving operational efficiency. Supported cross-functional teams in delivering actionable insights through advanced SAP analytics tools. Also specializing in IBM Cognos for **data development and optimization of multidimensional data cubes**.

2010

Solution Engineer   @ Nokia

Telecommunications Towers Data analysis and implementation of Zain's Fair-Usage-Policy on open-source software and infrastructure. Log-archives **data mining and alerts.**

EDUCATION

2022 - 2023

Executive MBA - Master′s degree
Sulaiman AlRajhi School of Business, Sulaiman Al Rajhi University, **SRU**, AL Qassim, Saudi Arabia

2020 - 2021

Artificial Intelligence - Master′s degree
King Fahd University of Petroleum & Minerals **KFUPM**, AL Dhahran, Saudi Arabia

2005 - 2010

Computer Science - Bachelor′s degree
King Fahd University of Petroleum & Minerals **KFUPM,** AL Dhahran, Saudi Arabia

CERTIFICATIONS & AWARDS

2013 · **Intel's** Business Challenge (**1st place honor**, KSA) Issued by **UC Berkeley**, **Intel**, & **KACST**

2015 · Data Science and Big Data Analytics **Dell** EMC 2015

Managerial Experience

CITC.gov.sa **National Networks Manager**

@ **CITC.gov.sa**,
· Leading more than 35 highly skilled multinational engineers and operators into developing, managing, and maintaining critical national networks and IT infrastructure.

Alolom Co **Principal Consultant**

@ **Alolom Co**

· Leading a team of multinational professionals in the intersection of Hardware and Software.
· Development and deployment of cutting-edge technologies customized to fit the local and GCC markets.

CITC.gov.sa **IT Governance & Development**

@ **CITC.gov.sa**
· Leading all IT teams and development practices into IT Governance.

Nokia **Project Lead**

@ **Nokia**
· Lead development of fair-usage-policy system for Zain telecommunication company with Big data analysis to detect issues and possible causes on data sourced from towers across KSA.
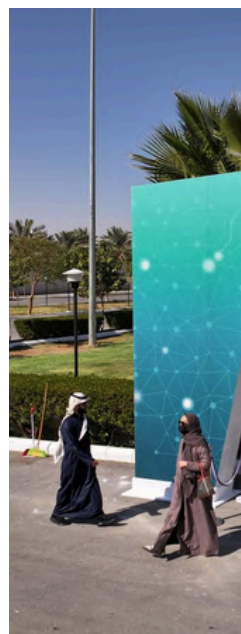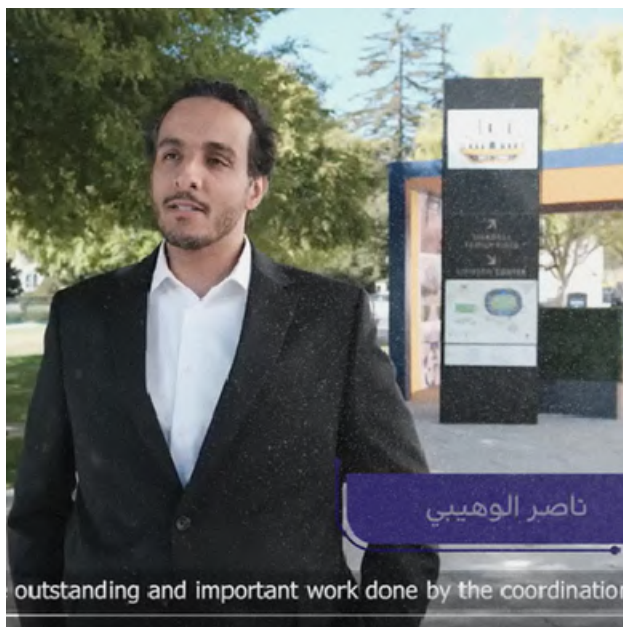
Technical Experience Sample Projects

AI **Arabic OCR, Research & Deployment, Lead**

@ **Alolom Co & KFUPM**
· Multi-Font Deep Learning Model with 99% Accuracy on unseen data.
· First Arabic OCR to be trained on both printed and handwritten texts.
· Small Enough to fit on a mobile phone.
· SoTA results compared to available market products.

Data Engineering **Mesbar: Streams of data analysis, Lead**

@ **CITC.gov.sa**,

· Big-data system analyzing and mining terabytes of logs and databases.
· Automated Indexing and Analysis of Internet resources. [Headless Webkit automation]
· Technical Specifications [Python(NumPy, Pandas, PyTables, and Blaze), Apache Solr, JS/HTML5, and RDBMS]

Business Intelligence **Monther: Data modeling and Analysis Realtime Reporting, Lead**

@ **CITC.gov.sa**
· Business Intelligence insights on historical/current performance of users in real-time.
. Technical Specifications: ETL jobs, Caching (client & server side), Data modeling, Dashboards Design & implementation.

High Performance Realtime IoT Servers and Systems, Lead

Dev, GIS, IoT @ **Alolom Co**

· Handling more than 15,000 devices reporting live. Technical Specifications [Python, Java, JS/HTML5, and RDBMS].
· GIS maps and reports accelerated with OpenGL.
· Multi-Processing SVG generation and video processing.

Stackoverflow **https://stackoverflow.com/users/1085495/nasser-al-wohaibi**

Tech Blog **http://nasser.wohaibi.co/**

outstanding and important work done by the coordination

ITUGSR
GENEVA 2018

2023
Built the 1st AI Product for MoE

2023-2025
Leading All MoE AI Efforts, Building 8 LLM based MVPs

2023-2025
Leading MoE AI Partnerships with AI leaders

2023
Built the 1st AI-based Product for MoE Students

2018
Leading Minkhal Project, AI + Image Processing @CST.gov.sa

2023-2025
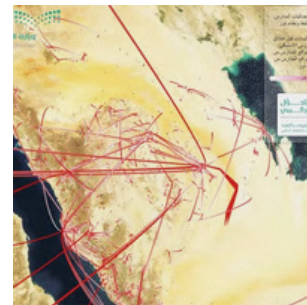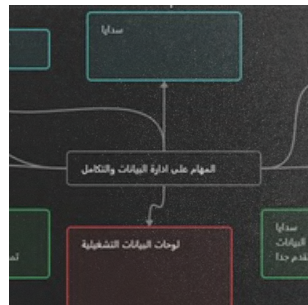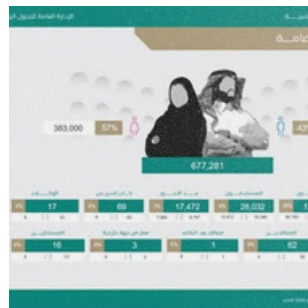### Leading MoE AI Efforts

2023
Leading MoE AI-based products into Production

2010
Image Processing Arabic Capcha

MOE PROJECTS HIGHLIGHTS

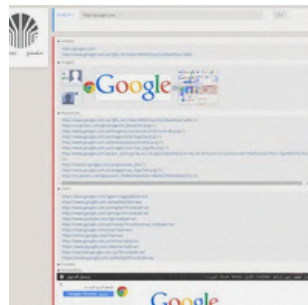# CST PROJECTS HIGHLIGHTS

browser متصفح

Notifier مُنذر

منخل

mesbar مسبار

processor مُعالج
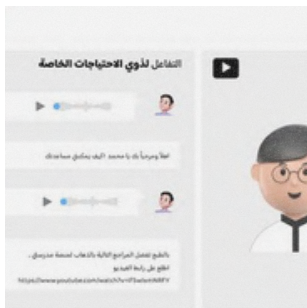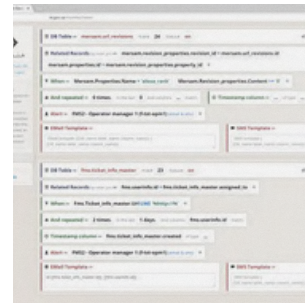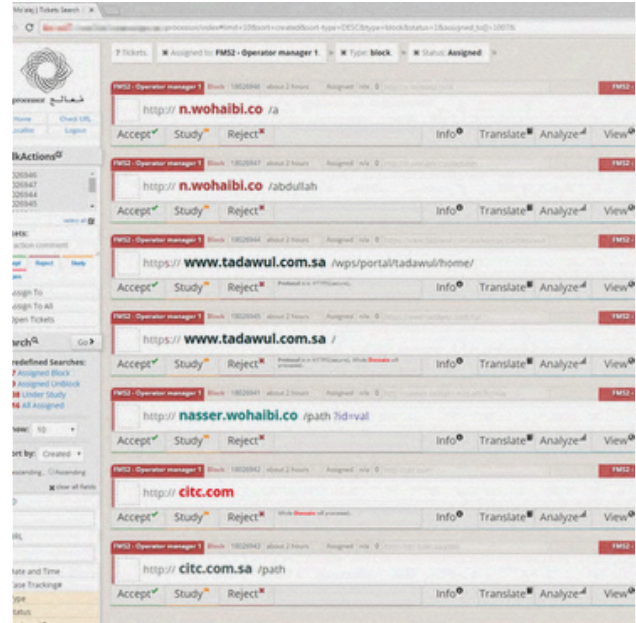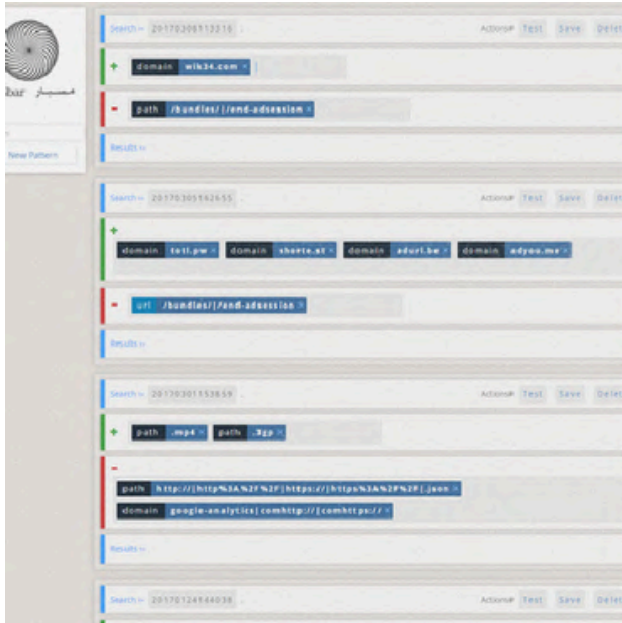
ALOLOM PROJECTS HIGHLIGHTS