

Ali Mohammed Alshehri

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PROFESSIONAL SUMMARY

Computer Science graduate specializing in Software Engineering and Artificial Intelligence with hands-on experience building scalable web applications and AI-driven products. Passionate about developing innovative software solutions that solve real-world problems and support Saudi Arabia's Vision 2030.

EDUCATION

Bachelor of Computer Science - King Abdulaziz University | GPA 4.33 out of 5 2021 – 2026
Double Major: Software Engineering & Artificial Intelligence

PROJECTS

NeuroCast — Senior Capstone Project [neurocast.alshehri.work] 2026

Explainable AI system for predicting Alzheimer's Disease progression from multimodal data.

- Developed a multimodal deep learning pipeline integrating MRI scans, clinical records, and transcriptomic biomarkers to forecast disease progression.
- Applied Explainable AI techniques (SHAP, LIME) to generate interpretable biomarker insights, improving transparency and clinician trust in model predictions.
- Engineered a transcriptomic feature-selection module that identified gene-expression patterns associated with cognitive decline.
- Evaluated the model on 96 patient records using Leave-One-Out Cross-Validation (LOOCV), achieving an MAE of 1.388 and R^2 of 0.247 for disease progression forecasting.
- Tech stack: Python, PyTorch, scikit-learn, SHAP, LIME, Pandas, Jupyter, React, TailwindCSS

Mueen — Peer-to-Peer Academic Tutoring Platform [mueen.alshehri.work] 2025

Marketplace connecting students who need academic help with peers who can explain concepts or solve coursework.

- Designed a two-sided marketplace where students can post requests for subject explanations, homework guidance, or project assistance, and knowledgeable peers can respond and get compensated.
- Built session booking, real-time messaging, and review/rating systems to ensure quality and accountability between tutors and learners.
- Implemented a search and matching engine to surface the most relevant peer tutors based on subject, availability, and rating.
- Addressed a gap in traditional tutoring by making peer learning accessible, affordable, and scalable for university students.
- Tech stack: Next.js, PostgreSQL, React, TypeScript, ShadcnUI, Prisma

Mahsoob — Personal Finance Management Platform [Idea - mahsoob.alshehri.work]

A Saudi-localized financial wellness app — think Rocket Money, built for the Saudi market.

- Defined the product vision and user journey for a Saudi-localized personal finance platform.
- Designed and developed a landing page to validate market demand before MVP development.

Cardless building-access system for Mobily new employees during their onboarding period.

- Designed to solve a real operational pain point: new Mobily employees in their first training month are not yet issued access cards, creating bottlenecks at entry gates.
- Proposed a mobile-authenticated access workflow — employees enter their employee ID or national ID at the gate terminal, then approve access via a push notification on their mobile device.
- Designed an API-based integration architecture for Mobily's physical access control infrastructure.
- Designed an automated verification workflow aimed at reducing security desk interventions during employee onboarding.
- Tech stack: Mobile (authentication app), REST APIs, gate control integration layer.

WORK EXPERIENCE

Customer Service Specialist | Mobily — Call Center

2026(3 months)

- Handled high-volume inbound inquiries related to telecom services, billing, and technical support.
- Assisted thousands of customers using multiple operational systems to resolve service requests, account issues, and technical concerns.

Receptionist | Mobily — General Management

2026 (2 months)

- Managed visitor coordination, scheduling, and front-desk operations at Mobily's General Management headquarters.
- Collaborated with multiple departments to support daily administrative and operational workflows.

CERTIFICATIONS

- Information Security — STC
- Web Application Development
- AWS Certified Cloud Practitioner — Amazon [In Progress]
- Meta Front-End Developer Professional Certificate — Coursera [In Progress]
- Meta Back-End Developer Professional Certificate — Coursera [In Progress]

TECHNICAL SKILLS

Languages & Frameworks: Python, TypeScript,JavaScript, Java, C#, SQL

AI / ML: PyTorch, Scikit-learn, Explainable AI (SHAP, LIME), Machine Learning, Deep Learning, Pandas

Web Development: Next.js, React, Node.js, Tailwind CSS, REST APIs

Cloud & DevOps: AWS, Git, CI/CD

Databases: PostgreSQL, SQL, Prisma, Database Design

CORE COMPETENCIES

Machine Learning • Full-Stack Engineering • Product Development • System Design • API Architecture

• Database Design • UI/UX Thinking

LANGUAGES

Arabic: Native • English: Professional Proficiency