Rayan M. Al-Otaibi

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Kingdom of Saudi Arabia, Khobar.

AREA OF EXPERTISE

• Developed the handicap sign detection system and led the creation of the Lattzel Construction Management Platform to improve project coordination and efficiency.

• Led multiple construction projects, coordinating between stakeholders and managing risks.

• Vice President of Google Developers Student Club (GDSC), organizing AI workshops and coding competitions.

• Keen interest in leveraging technology for aviation, did a research on further growing MRO Structures.

• Strong technical skills in software development, leadership, and real-world problem-solving.

SKILLS

• Programming: Python, JavaScript, Java, C++

• Development: React, Django, Swift, HTML, CSS

• Databases/Tools: MySQL, Firebase, Github, JUnit, Figma, Supabase

• Other: Shell Scripting, OS Programming, Leadership

• Soft Skills: Leadership, Project Management, Problem-Solving

• Languages: English (Fluent), Arabic (Native)

EDUCATION

• **B.S. Computer Science** *Aug 2021 - Present*
Prince Mohammad bin Fahad University.
 • Relevant Coursework: System Programming, Artificial Intelligence, Operating Systems, Theory Of Computation.
  (Expected Graduation December 2024)

• **High School Diploma** *Jan 2014 - April 2020*
Dhahran Ahliyya Schools.

PROJECTS

• **Capstone Project: Lattzel** *Prince Mohammad bin Fahad University.* *2023 - Present*
 • Created a comprehensive application to improve management and transparency in real estate projects.
 • Implemented features for project planning, risk management, document control, and industry compliance.
 • Technologies: JavaScript, React, Node.js, MySQL, HTML, SupaBase.

• **Disabled People Sign Detection System** *Prince Mohammad bin Fahad University.* *2023*
 • Developed an AI-powered system to detect and recognize signage for disabled individuals, improving accessibility.
 • Utilized Python and TensorFlow to enhance detection accuracy, achieving over 75% precision.
 • Focused on optimizing recognition in public spaces such as parking areas and walkways.

• **Research on Aerospace Maintenance Systems**
 • Developed the concept for Phoenix MRO, a system to streamline Maintenance, Repair, and Overhaul (MRO) operations, Aimed at increasing efficiency and safety in aerospace MRO processes.
 • Focused initially on drone management, with plans to expand into aircraft hangar operations.
 • Researched IoT and predictive analytics to improve monitoring and scheduling of maintenance tasks.

EXTRACURRICULAR ACTIVITIES

• **Vice President, Google Developers Student Club** *Prince Mohammad bin Fahad University.* *2023 - 2024*
 • Led the organization of AI workshops, coding seminars, and networking competitions, equipping students with hands-on experience in modern technologies.
 • Facilitated connections between students and industry experts, securing internship positions for members.
 • Contributed to a 30% increase in student applications through targeted events and outreach.

• **Saudi Aramco Summer Intern** *Saudi Aramco ITC.* *2019*

 • Engaged in an intensive training program focused on Python programming and advanced mathematics.
 • Acquired hands-on experience with problem-solving techniques and software development practices.