

# Salman Rafid Almnaseer



+966555339782



eng.salman01@outlook.com



Saudi Arabia

## SUMMARY

Results-driven Software Engineering graduate with expertise in AI implementation and full-stack development. Proven ability to build and deploy scalable, real-world applications, from AI-powered inspection systems to real-time logistics platforms. Combines strong skills in algorithm development, database management, and modern web technologies to solve complex engineering challenges.

## EDUCATION

### Bachelor of Science in Software Engineering and Management

Nanjing University of Aeronautics and Astronautics, Nanjing, China | July 2024

- Thesis:** The design and implementation of an automatic detection system towards bridge defects.

## EXPERIENCE

### LogiTruck | Full-Stack Real-Time Logistics Platform | January 2025 – October 2025

- Developed a full-stack, real-time logistics platform using Next.js, React, TypeScript, Supabase, and Tailwind CSS.
- Engineered multi-role dashboards for Managers, Drivers, and Sales with complex user permissions and data access controls.
- Implemented live GPS tracking and interactive maps for real-time shipment monitoring and management.
- Designed and built an automated job assignment and approval system to optimize operational workflow.
- Integrated a real-time, built-in team chat feature and developed bilingual analytics dashboards (English/Arabic) with RTL support.
- Architected the system for scalability and performance under load, ensuring a maintainable and type-safe codebase.

### Bridge Defect Detection System | AI Research & Development | Nov 2023 - Jul 2024

- Architected and implemented an AI powered bridge inspection system achieving 94% detection accuracy.
- Engineered deep learning models using CNNs and RNNs, optimizing for resource constrained embedded systems.
- Conducted comparative analysis of YOLOv5, YOLO-X, and Faster R-CNN, improving defect classification precision by 23%.
- Developed image processing algorithms to enhance defect visibility under varying lighting and environmental conditions.
- Collaborated with civil engineering department to validate system effectiveness against manual inspection methods.
- Created comprehensive documentation and visualization tools for system deployment.

### HomeEditor | Interactive Home Layout Web Application

- Designed a responsive web editor with drag-and-drop functionality for creating virtual floor plans.
- Implemented interactive controls for adding architectural elements and export features for PDF/image output.

## SKILLS

### Technical Skills

- Programming Languages:** Python, Java, C, C++, JavaScript, TypeScript, SQL
- Frameworks & Tools:** React, Next.js, Node.js, TensorFlow, PyTorch, Git, Supabase, Tailwind CSS
- AI & Machine Learning:** Deep Learning, Neural Networks (CNN, RNN), Computer Vision
- Web Development:** HTML/CSS, RESTful APIs, Responsive Design
- Database Management:** SQL, NoSQL, Data Modeling, Query Optimization

### Professional Skills

- Critical Problem-Solving
- Project Planning & Execution
- Agile Methodology
- Cross-functional Team Collaboration
- Technical Documentation & Communication
- Research & Analysis

## CERTIFICATIONS & COURSES

- Introduction to Artificial Intelligence | LinkedIn | March 2024
- C Programming for beginners | Udemy | March 2022
- Introduction to C++ programming | Udemy | March 2022
- Project development using Java | Udemy | April 2021
- Introduction to Programming Using Python | Udemy | December 2020

## LANGUAGES

Arabic: Native | English: Professional | Chinese (Mandarin): Elementary