

# Ahmad Abughanam — Computer Science

Student — AI/ML & Software Engineering  
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## Professional Summary

Motivated Computer Science student (GPA: 3.55/4.0) with hands-on experience in AI/ML, full-stack development, and distributed systems. Completed industry training at Jordan Kuwait Bank across Business Intelligence, IT operations, and automation. Delivered 12+ technical projects including LLM applications, blockchain solutions, and scalable web systems. Passionate about building intelligent, production-ready software with strong foundations in system design and architecture.

## Education

<b>Middle East University (MEU)</b> <i>Bachelor of Science in Computer Science, GPA: 3.55/4.0</i>	<b>Amman, Jordan</b> 2022–2026
<b>Relevant Coursework:</b> Data Structures & Algorithms, Database Systems, Computer Networks, Operating Systems, Artificial Intelligence, Machine Learning, Software Engineering, Web Development, Cybersecurity, Cloud Computing	

## Technical Skills

- Languages:** Python, C++, JavaScript, TypeScript, SQL, C#, R, HTML/CSS
- AI/ML:** Machine Learning, Deep Learning, NLP (BERT, Transformers), LLMs (GPT, LLaMA), RAG Systems, Prompt Engineering, Model Deployment (FastAPI, Docker), AI Agents & Automation
- Web Development:** React, NestJS, Flask, RESTful APIs, Full-Stack Development, Responsive Design
- Databases:** PostgreSQL, MySQL, SQLite, Database Design, Indexing, Query Optimization
- Cloud & DevOps:** AWS, Docker, Git/GitHub, CI/CD Concepts, n8n Workflow Automation, RPA
- System Design:** Distributed Systems, Microservices, Caching Strategies, Load Balancing, Message Queues, Event-Driven Architecture, CAP Theorem, Scalability Patterns
- Security:** Cybersecurity Fundamentals, Fraud Detection, Anomaly Detection Systems
- Networking:** Cisco CCNA, TCP/IP, Network Architecture, Windows Server 2022

## Professional Experience

<b>Jordan Kuwait Bank (JKB)</b> <i>Technical Trainee</i>	<b>Amman, Jordan</b> Jul–Aug 2024
<ul style="list-style-type: none"><li>○ Rotated through Business Intelligence, MIS, IT Operations, and Automation departments</li><li>○ Developed workflow automation solutions using RPA concepts to streamline banking operations</li><li>○ Gained hands-on exposure to enterprise cybersecurity practices and financial sector IT infrastructure</li><li>○ Collaborated with cross-functional teams on data analytics and reporting initiatives</li></ul>	

## Selected Projects

<b>Flask, LLaMA 3, Python</b> <i>BankShield AI – Fraud Monitoring System</i>	2025
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- Developed LLM-powered fraud detection system for real-time transaction monitoring
- Implemented anomaly detection algorithms with natural language explanations
- Designed RESTful API architecture for seamless integration with banking systems

### **Docker, Flask, PostgreSQL, Python**

#### *Finance Multi-Service Application*

2025

- Built containerized microservices platform for stock analysis and sentiment scoring
- Integrated real-time market data APIs with PostgreSQL database for historical tracking
- Implemented responsive web interface with dynamic data visualization

### **Blockchain, Smart Contracts, Web3**

#### *Blockchain Real Estate Management System*

2025

- Designed decentralized rental automation system with asset tokenization
- Developed smart contracts for secure, transparent property transactions
- Implemented distributed ledger architecture for immutable record-keeping

### **Mistral-7B, SQLite, Python, NLP**

#### *InsightSort – Document Classification Engine*

2025

- Created offline document classification system using local LLM deployment
- Optimized model inference for low-latency predictions on resource-constrained systems
- Built SQLite-based document storage with efficient indexing and retrieval

### **Flask, pandas, LLM APIs, Python**

#### *InputIQ – Automated Dataset Cleaning Tool*

2025

- Developed AI-powered data cleaning pipeline with automated quality checks
- Integrated LLM-based insights for intelligent data transformation suggestions
- Designed intuitive web interface for non-technical users

### **Python, NLP, Flask**

#### *Smart IT Support Chatbot*

2025

- Built intelligent troubleshooting assistant based on CompTIA A+ knowledge base
- Implemented natural language understanding for technical support queries
- Reduced average resolution time through automated diagnostics

## **Certifications**

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**Harvard CS50:** Computer Science • AI with Python • Cybersecurity • Databases with SQL

**AI & ML:** LLM Engineering (Udemy) • AI A-Z 2025 • Computer Vision with OpenCV • NLP with BERT • AI Automation with n8n & APIs • Llama 4: Mastering Prompt Engineering

**Cloud & Network:** AWS Cloud Practitioner • Cisco CCNA • Windows Server 2022

**Development:** Python Advanced • SQL Bootcamp • RESTful APIs • Software Architecture & Design

## **Languages**

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**Arabic:** Native proficiency

**English:** Professional working proficiency