

Mohammed Abduallah

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Profile

Dynamic and highly motivated Artificial Intelligence Engineer with a proven track record of designing and implementing cutting-edge AI solutions to solve complex business challenges. Proficient in machine learning, deep learning, I am dedicated to pushing the boundaries of AI technology to drive innovation and enhance operational efficiency. Seeking a challenging role where I can leverage my expertise to create intelligent systems that make a meaningful impact

Experience

BACKEND DEVELOPER AT Blue Elite Tech Company | MAY 2024 – JAN 2026:

As a Backend Developer at Blue Elite Tech Company, I played a critical role in developing and maintaining robust backend systems that supported high-performance applications. My responsibilities included:

- 1- **API Development:** Designed and implemented scalable RESTful to support seamless communication between client applications and server-side systems.
- 2- **Database Management:** Engineered and optimized relational (PostgreSQL, MySQL, SQLServer) and NoSQL (MongoDB) databases, ensuring data consistency and efficient query performance.
- 3- **Backend Logic Implementation:** Developed core server-side logic using Python (Django) ensuring business processes were efficiently executed.
- 4- **Security Measures:** Integrated authentication and authorization protocols, such as OAuth and JWT, to safeguard sensitive data and ensure secure access to backend services.
- 5- **Performance Tuning:** Enhanced the performance and scalability of backend systems through load balancing, caching strategies, and efficient resource utilization.
- 6- **Microservices Architecture:** Contributed to transitioning from monolithic to microservices architecture, utilizing Docker and Kubernetes for containerization and orchestration.
- 7- **Collaboration:** Worked closely with cross-functional teams, including front-end developers, DevOps engineers, and product managers, to deliver cohesive and timely solutions.
- 8- **Continuous Integration:** Established CI/CD pipelines using Jenkins and GitLab CI to automate testing and deployment, ensuring fast and reliable delivery of backend features.
- 9- **Documentation:** Maintained detailed documentation for APIs, database schemas, and backend processes, and provided regular updates to stakeholders on project progress.

COMPUTER VISION ENGINEER AT RAM GROUP | FEB 2023 – MAR 2024:

As a Computer Vision Engineer in RAM Company, I played a pivotal role in spearheading cutting-edge projects that integrated computer vision technology into embedded systems. My responsibilities included:

- 1- **Algorithm Development:** Developing and fine-tuning computer vision algorithms for real-time object detection, tracking, and recognition. This involved optimizing algorithms for resource-constrained embedded platforms.
- 2- **Hardware Integration:** Collaborating closely with the hardware team to ensure seamless integration of computer vision solutions into embedded systems, optimizing for performance and resource efficiency.
- 3- **Machine Learning Models:** Training, deploying, and maintaining machine learning models for object detection, classification, and segmentation, tailored for embedded systems.
- 4- **Performance Optimization:** Continuously improving the efficiency and speed of computer vision processes on embedded devices, resulting in reduced latency and enhanced system responsiveness.
- 5- **Cross-functional Collaboration:** Collaborating with cross-functional teams, including software developers, hardware engineers, and project managers, to deliver end-to-end solutions that met project goals and timelines.
- 6- **Quality Assurance:** Implementing rigorous testing procedures to ensure the reliability and accuracy of computer vision applications, addressing issues and making refinements as necessary.
- 7- **Documentation and Reporting:** Maintaining detailed documentation of algorithms, models, and integration processes, and providing regular progress reports to project stakeholders.

Education

Bachelor's degree Informatics Engineering – Aleppo University: 2021

Programming languages

- 1- Python
- 2- C/C++
- 3- Knowledge in C#
- 4- Knowledge in Java

Programming Skills

- 1- Problem Solving
- 2- Data Analysis
- 3- Image Processing
- 4- Version Control (GIT)
- 5- Redis/Celery/RabbitMQ
- 6- System Analysis

Operating Systems

- 1- Ubuntu
- 2- Raspbian
- 3- Windows

Embedded Devices

- 1- Jetson Nano
- 2- Raspberry PI
- 3- Arduino

AI Frameworks

- 1- Tensorflow
- 2- PyTorch

Web Frameworks

- 1- Django
- 2- Fast API

Desktop Apps

- 1- PyQt in Python
- 2- Windows Form in C#

Testing frameworks:

- 1- pytest
- 2- unittest

Languages

- 1- **Arabic** : Native
- 2- **English**: Professional Working Proficiency

Soft Skills

- 1- Critical Thinking
- 2- Teamwork
- 3- Project Management
- 4- Adaptability
- 5- Continuous Learning
- 6- Attention to Detail
- 7- Communication
- 8- Time Management