Adam Abdul Karim

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SKILLS

BACK-END DEVELOPMENT│ Python • Django • SQL • RESTful APIs
Mobile Development│ Android Studio • Java • XML
MISCELLANEOUS│ Git-based Workflows • System Design • Postman • UI/UX
FRONT END DEVELOPMENT│ React • JavaScript • HTML • CSS
DEVOPS & DEPLOYMENT │ Docker • OpenStack • CI/CD Pipelines • Choreo
SOFT SKILLS│ Multicultural • Communication • Rapid Learner

EXPERIENCE

Data Consult │ **Android Studio, Java, PHP, MySQL, XML, Odoo**
Software Engineering Intern │ Jul 2024 – Sept 2024, Beirut Lebanon
- Led the development of Android-based Point-of-Sale system using Java and XML, improving user experience.
- Implemented secure data persistence with both online (PHP/MySQL) and offline (Room/DAO) CRUD operations, enabling seamless synchronization.
- Created and optimized SQL queries to enhance Odoo's analytical dashboard, resulting in 30% faster data visualization.

Information System: Medical Records & Scheduling System│ **Django (DRF), React, JWT, Python, HTML5, CSS, RESTful APIs, SQLite, Git, GitHub, CI/CD, Docker**
Software Engineering Project │ Oct 2024 – Feb 2025, Phoenicia University
- Architected and implemented a full-stack healthcare application with Django REST Framework backend and React frontend.
- Designed RESTful API endpoints for secure CRUD operations on patient records, appointments, and medical notes.
- Implemented role-based access control with custom JWT authentication, reducing unauthorized access attempts by 100%.
- Deployed on Choreo (WSO2), Docker and implemented CI/CD pipelines via GitHub, enabling automated builds, testing, and security with OAuth2.

Academic Artificial Intelligence and Machine Learning Research │ **Python, Pandas, sklearn, tensorflow, Version Control**
Academic Publishing │ Mar 2025 – Jun 2025, Phoenicia University
- Conducted research on advanced dimensionality reduction and feature selection methods for classifying strawberry maturity stages using Mid-Infrared (MIR) spectroscopy data.
- Benchmarked performance against state-of-the-art optimization algorithms including Binary Grey Wolf Optimization (BGWO), Artificial Bee Colony (ABC), Particle Swarm Optimization (PSO), and Gravity Search Algorithm (GSA).
- Achieved 97% classification accuracy across 14 maturity stages using a VAE+GA approach, significantly outperforming traditional methods.

EXTRACURRICULAR ACTIVITIES

YouTube – "Zeros & Ones" │ **Figma, Adobe Premiere Pro, Audacity, Sound Design**
Owner / Content Creator / YouTube Partner │ July 2024 – Present
- Produced and edited professional video essays on programming and computer science history.
- Applied branding, elegant graphic design, and analytics to improve viewer engagement and retention.
- Built and managed an online community, responding to feedback and fostering discussions in a positive environment as an official YouTube partner.

EDUCATION

Phoenicia University
BS., ***Computer Science***
July 2025│ Lebanon, Zahrani
GPA: 3.06/4

HONORS & AWARDS

Wall of Honor
Outstanding academic performance │ Phoenicia University │ Feb 2024 │ Lebanon, Zahrani

COURSEWORK

Meta Back-End Developer Professional Certificate
Meta Front-End Developer Professional Certificate
Artificial Intelligence Fundamentals
Cisco Introduction to Cybersecurity

LANGUAGES & INTERESTS

- Fluent in English, French, and Arabic
- Content Creation & Gymnastics