ATKOU DRISS
Software Engineering Student

Contact

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Skills

Data visualization / Analytics
Plotly, Matplotlib , Pandas , Numpy
Image processing: OpenCV, Scikit-image
 Machine Learning: Matlab, Scikit-learn
TensorFlow
Programming Languages: Java, C /
C++, Kotlin, Swift, Python, Matlab
javascript
Embedded systems: Arduino, Raspberryπ
Mobile App Development: Android, iOs
Docker, Azure cloud, Google Firebase
 Communication, Research, Critical thinking
 optimizing workflow, flexibility
Adaptability, Creative problem solving

Certification

- Java programming: Solving problems with software.
- IBM java developer
- Microsoft Azure Developer

Languages

✓ Tamazight : Native speaker

✓ Arabic : Fluent (written and spoken)

✓ English : Fluent (written and spoken)

✓ French : Intermediate (written and spoken)

Interests

- **Sports:** Basket-Ball, Foot-Ball, Fitness
- **Reading topics:** History, philosophy, quantum mechanics, theory of relativity, ancient civilizations, economics, chaos theory, mathematics, theory of evolution.
- **Music :** Jazz , Lo-Fi , Amazigh, Classic

Experiences

JULY 2022 - AUGUST 2022   Marrakech- Morocco

AtlantaSanad Insurance | Internship
Accident Management Framework (AtlantaSanad Insurance):
- Contributed to the development of a new framework for accident management.
- Tested and debugged the framework to ensure it met the business requirements and provided feedback on usability.

SEPT 2021 -PRESENT   Online Freelance

FIVERR | FREELANCE DEVELOPER
- Developed a native Android app using Java/Kotlin that connects people through messaging, audio, and real-time database integration using Firebase
- Created an Android task management application using Java/Kotlin and SQLite database integration.

Education

2021 -Present
Engineering degree at the University HASSAN 1, SETTAT
Computer science specialized in software engineering

2018 - 2021
University degree in science and techniques at the University HASSAN 1 of SETTAT.
 In mathematics, computer science, and physics.

2017 - 2018
High school diploma in physical sciences, Lycée Abdelkarim Elkhattabi, Kelaa M'Gouna, Académie Draa-Tafilalet

Personal projects

- Led a team in building a sophisticated robot car using Arduino:
  - Demonstrated proficiency in hardware and software development.
  - Incorporated innovative features such as soil moisture level detection and plant watering capabilities.
  - Enabled control via an intuitive Android app over Bluetooth and Wi-Fi.
- Conceptualized and architected a robust document management system, leveraging C/C++ programming and Microsoft SQL Server to enable efficient data storage and retrieval, user authentication and authorization, and a user-friendly interface.
- Showcased creativity and technical proficiency by designing and developing a smart calculator Android app, leveraging TensorFlow Lite and a Kaggle dataset for handwriting detection, integrating with a robust calculation engine, and delivering an exceptional user experience.
- Implemented image compression using DCT transform and RLE techniques in Python and MATLAB, and optimized the algorithm for efficient processing and quality preservation. resulting in a 60% reduction in file size with no perceptible loss in image quality.
- Spearheaded the development of a comprehensive media management framework in Java and MySQL, incorporating advanced features such as metadata extraction, file conversion, and search capabilities, resulting in a streamlined and efficient workflow.
- Demonstrated strong technical acumen and a passion for innovation by visualizing a multi-threaded web application:
  - Utilized Java EE for real-time simulation of air traffic control.
  - Utilized Map API to incorporate advanced features such as dynamic routing, flight status updates, and weather forecasting.
  - Delivered an exceptional end-to-end experience.

Technologies used: C/C++, Microsoft SQL Server, Java, MySQL, Python, MATLAB, TensorFlow Lite, Arduino, Java EE, Map API, HTML, CSS, JavaScript, ASP.NET, iOS, Swift, Kotlin, Spring Framework, JavaServer Faces, NumPy, Matplotlib, OpenCV, Hibernate ORM, Multi-threading.