



# Aziz Hlila

## Software Engineering Student

### My Contact

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### Professional Skill

- Programming Languages
  - Python | Java | Kotlin | C++ | JS
- Web Technologies
  - React | Django | Php | Html | Css
- Machine Learning Technologies
  - PyTorch | TensorFlow | Numpy | Pandas
- Database Management
  - Firebase | Sql | Oracle
- Android Development
  - Android Studio(Java ,Kotlin)
- IDE and Version Control
  - Vs Code | Git | Github

### Soft Skill

- Decision making
- Communication
- Multi-tasking
- Management Skills
- Creativity
- Critical Thinking
- Problem solving

### Certifications

- Neural Networks and Deep Learning
- Deep Neural Networks with PyTorch
- Engineering Maintainable Android Apps
- McKinsey Forward Program - McKinsey

### Achievements

In the IEEE Xtreme Programming Competition, I placed third in my university and 14th nationally, demonstrating advanced problem-solving skills and coding expertise.

### Language

- Arabic (Native)
- English
- French

### About Me

I'm a software engineering student with experience in multiple programming languages such as Python, Java, and C++. In addition to my proficiency in these languages, I also have a solid foundation in machine learning, enabling me to create intelligent systems that make data-driven predictions and decisions. In addition, my skills extend to web development, where I specialize in crafting fully responsive websites using React and Django. Furthermore, I have a strong background in native Android app development, allowing me to create seamless and efficient mobile applications that cater to diverse user needs.

### Projects

- **Emotion Recognition CNN - PyTorch Project**  
Within this project, I meticulously trained a Convolutional Neural Network (CNN) classifier model using the PyTorch framework. Leveraging the fer-2013 dataset, the model was refined to make precise predictions related to seven distinct human emotions. This undertaking demonstrates my expertise in deep learning and computer vision while highlighting my ability to develop models for complex tasks like emotion recognition.
- **Learning and Productivity Android App**  
I am the developer of Learnly, an Android app designed to revolutionize learning and productivity management. Learnly seamlessly integrates a Pomodoro timer, a task list, and in-depth statistics tracking to elevate your learning journey. This project exemplifies my expertise in mobile app development and user-centric design, empowering users to efficiently manage their study sessions, stay organized, and monitor their learning progress.
- **Trading Indicator Library**  
I am the creator of the AZ Trading Indicator Library, a comprehensive collection of Python classes tailored to equip traders with precise calculations of essential indicators such as MACD, SMA, RSI, and more. This project is a testament to my proficiency in quantitative finance and data analysis, enabling traders to bolster their strategies and embrace the advantages of data-driven decision-making within the dynamic realm of financial markets.

### Education Background

- Higher Institute of Informatics and Mathematics of Monastir  
*Bachelor in software engineering*  
2022-2024
- Bourguiba Secondary School Monastir  
*Bac Informatique*  
2021