

MOHAMED EL AMINE ATIL

Software Engineer

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ABOUT ME

A highly motivated and experienced Software Engineer with a proven track record of success in developing innovative software solutions for a variety of clients. Possesses a strong technical background in software engineering, with experience in developing applications for both web and mobile platforms. Skilled in object-oriented programming, database design, and software development lifecycle management. Experienced in working with clients to develop custom solutions that meet their needs.

EXPERIENCE

Software Developer

Mostaq

March 2021 - Ongoing Remote

@ <https://mostaq.com/u/atilamine>

- Proficient in creating responsive websites that are optimized for mobile devices
- Experienced in integrating third-party APIs into websites such as social media logins etc
- Creating browser extensions that can automate tasks and integrating third-party APIs
- Experienced in creating RESTful API's with NodeJS that can be used by other applications or services
- Strong knowledge in writing automated scripts to perform web scraping tasks using Selenium such as data extraction from websites
- Developing Android applications using Java, and Android SDK
- Proficient in identifying and resolving software bugs and errors

Java Developer

Upwork

January 2021 - March 2021 Remote

@ <https://www.upwork.com/freelancers/~01586a9aa6c8afded5>

- Successfully completed a Java project to take JSON response from SmartyStreets API and ingest into Postgres
- Skilled in writing SQL queries, stored procedures, triggers, functions, and views for Postgres database

CERTIFICATIONS

Machine Learning with Python

freeCodeCamp

april 2023

<https://www.freecodecamp.org/certification/atilmohamine/machine-learning-with-python-v7>

MOST PROUD OF



Collaborating on NASA/Puma

I am most proud of my collaboration on NASA/Puma repository with bug founding and fixing, which was successfully merged



Published Master's Research

I achieved the publication of my master's degree research as an article in a Springer journal within a remarkable span of 3.5 months

STRENGTHS



LANGUAGES

Arabic
English
French



EDUCATION

M.S. in Complex Software Engineering

Badji Mokhtar University

Sept 2021 - June 2023

B.S. in Computer Systems

Badji Mokhtar University

Sept 2018 - June 2021

OPEN-SOURCE PROJECTS

Protein2SMILES Transformer

@ <https://github.com/AtilMohAmine/protein2smiles-Transformer>

- De novo drug discovery of protein-specific using Transformer Neural Network

QSAR Bioactivity Predictor

@ <https://github.com/AtilMohAmine/QSAR-Bioactivity-Predictor>

- QSAR Bioactivity Predictor is a Python application that allows users to create QSAR models to predict bioactivity for a specific target.

Chat App

@ <https://github.com/AtilMohAmine/Chat-App>

- A real-time chat application built with Express.js, Socket.io, React, MongoDB, and JWT authentication.

Next.js Commerce

@ <https://github.com/AtilMohAmine/nextjs-commerce>

- An E-Commerce App using Next.js 13, App Router, TailwindCSS, Prisma, and MongoDB.

DNA-Based Data Encryption Using Vigenere Cipher

@ https://github.com/AtilMohAmine/DNA_Vigenere_Cipher

- Encryption and decryption data using Vigenere Cipher algorithm implemented in JAVA

MSSQL-To-API

@ <https://github.com/AtilMohAmine/MSSQL-To-API>

- Convert any Microsoft SQL Server database to CRUD API using NodeJS

Voting System

@ <https://github.com/AtilMohAmine/Voting-System>

- Online Voting System using PHP Firebase with IP verification

Corona Map Tracker

@ <https://github.com/AtilMohAmine/Corona>

- Corona Map Tracker is an Android app designed to track Coronavirus-affected areas and user itineraries

Parking System using OpenCV

@ https://github.com/AtilMohAmine/Parking_system_using_OpenCV

- Parking spot detection system using OpenCV with Python

GIT COLLABORATIONS

Nasa/Puma

@ <https://github.com/nasa/puma/pull/10>

- ✓ Fixing issue 9 AttributeError: module 'numpy' has no attribute 'int'

MOBILE APPLICATIONS

Fitness Tracker

@ <https://github.com/AtilMohAmine/Fitness-Tracker>

- Fitness Tracking application built for Android with Google Fit API using Kotlin and the MVVM architecture.

The Holy Quran

@ <https://play.google.com/store/apps/details?id=com.atilmohamedamine.quran>

- The Holy Quran by the voice of Saad Al-Ghamdi, facilitating easy reading and memorization of verses. Additionally, it includes an English translation.

PUBLICATIONS

Journal Articles

- A. F. Atil Mohamed El Amine, "Transformer neural network for protein-specific drug discovery and validation using qsar," *Journal of Proteins and Proteomics*, 2023. DOI: 10.1007/s42485-023-00124-6.