OUCHENE ABDELHAK

Big Data analyst | software Engineer | Network Engineer

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EXPERIENCE

Real-Time Offer Recommendation System for Djezzy Prepaid Subscribers | **Djezzy**

📅 Jan 2024 – July 2024   📍 Dar El Beïda, Algeria

- Designed and implemented a real-time recommendation system to enhance user experience.
- Leveraged machine learning and deep learning techniques to analyze real-time user behavior and telecom service usage patterns.
- Delivered instant personalized recommendations for telecommunications services, improving customer satisfaction and engagement.
- Utilized advanced data processing technologies such as Kafka, Flink, and Spark for efficient data handling and system integration.

Blockchain-Based Voting System | **Educational Project**

📅 Sept 2022 - Jan 2023

- Developed a website to provide an authentic and secure voting system utilizing blockchain technology.
- Created the blockchain system using Python for enhanced security and transparency.
- Built and deployed the blockchain system on a server using Django, with data storage managed by an SQLite database.

Dashboard Development | **Educational Project**

📅 Oct 2022 - Dec 2022

- Developed a reliable server using Flask to handle backend operations.
- Cleaned and formatted datasets using MySQL for efficient data management.
- Created a responsive website with HTML, CSS, and JavaScript, incorporating Chart.js to display dynamic charts summarizing the data and providing interactive data manipulation capabilities.

Analysis of Pollution Attacks in Random Linear Network Coding | **Educational Project**

📅 Feb 2022 - July 2022

- Investigated network coding, a cutting-edge research area gaining traction among information theory and network engineering experts for its potential to boost network throughput and robustness.
- Explored the vulnerabilities introduced by packet shuffling in NC-based networks, particularly those arising from network errors, despite its inherent security benefits against wiretapping and other attacks.
- Aimed to develop a reliable algorithm for detecting and correcting pollution attacks through an in-depth study of network coding properties.
- Conducted comprehensive simulations within the GNS3 emulator, integrating Python for enhanced performance and reliability analysis.

SKILLS

Programming Languages and Frameworks

- Python, JavaScript, C, Java, php
- Flask, TensorFlow, Keras

Project Management and Collaboration

- Agile methodologies and Scrum
- Communication and collaboration tools (IceScrum, Jira, Zoom, etc)
- Git, GitHub

Databases and big data

- Oracle database software, SQL Server Managment studio
- Postgres
- SQL,CQL,MongoDB
- Talend Open Studio
- Tableau

linear optimization

- Modeling
- CPLEX

Network

- Packet tracer, GNS3

OS

- Kali Linux, ubuntu, Windows Server

EDUCATION

B.S. in Telecommunication and Network Engineering
University Of Science And Technology Houari Boumediene

📅 July 2022

M.Sc. in Big Data Analytics
University Of Science And Technology Houari Boumediene

📅 July 2024