Selim Rokbani

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Montreal, Canada

Data-driven and innovative in my last year on the program of Computer Science Master's student specializing in Data Science. Proven expertise in developing impactful solutions leveraging decentralized applications, analytics platforms, and recommendation systems. Proficient in a diverse set of programming languages and frameworks. Data scientist with strong analytical and problem-solving skills, combined with a collaborative mindset, eager to contribute technical expertise to innovative projects.

EDUCATION

Université de Montréal
In-progress, Master's Degree in Computer Science - Data Science

January 2022 - December 2024

Institut des Hautes Études de Tunis
Bachelor's Degree in Computer Science with a Minor in Management

September 2018 - June 2021

PROJECTS

- **Decentralized Sports Betting dApp, UdeM, Montréal, Canada**
  - Developed a decentralized sports betting application focused on NBA games.
  - Integrated Metamask for secure transactions.
  - Utilized React JS, NodeJS, and Solidity for smart contract development.
  - Ensured transparent and secure transactions through Truffle and Ganache.
  - Troubleshoot integration with NBA APIs to solve data exchange issues.

- **NHL Expected Goals Analytics Platform, UdeM, Montréal, Canada**
  - Leveraged NHL Stats API for data retrieval, applying data wrangling, and exploratory data analysis.
  - Employed TensorFlow and Scikit-Learn for probability prediction of shots.
  - Deployed the solution using Docker, creating an interactive dashboard with Streamlit.
  - Project delivered in Agile approach and contributed part of a scrum team of 4 members.

- **Personalized News Recommendation System, UdeM, Montréal, Canada**
  - Developed a machine learning-based app for personalized news articles.
  - Incorporated cooperative suggestions and article similarity calculations.
  - Utilized Natural Language Processing (NLP) techniques with Python, scikit-learn, pandas, and NLTK.

- **Emergency Vehicle Route Optimization for Search and Rescue, UdeM, Montréal, Canada**
  - Designed a solution for optimizing emergency vehicle routes in search and rescue scenarios.
  - Implemented the A^* algorithm for optimal pathfinding on a grid with obstacles.
  - Utilized a Rollout strategy to simulate search operations.

PROFESSIONAL CERTIFICATIONS

Data Scientist Associate - DataCamp

INTERNSHIPS

Qualaxia, Montréal, Canada   January 2022 - May 2023
Data science Analyst

- Enhanced website content based on Google Analytics data, leading to increased web traffic.
- Produced tailored monthly newsletters, leveraging audience insights.
- Executed successful webinars, continuously improving strategies.
- Optimized social media impact through data-driven choices.

Redstart, Tunis, Tunisia   February 2021 - June 2021
Web development Intern

- Developed a fully functional website for the brand, incorporating user enrollment, scheduling meetings, and booking coworking spaces using a secure payment method.
- Enabled users to enroll in the incubator program.
- Successfully integrated a secure payment method.
- Provided seamless and secure transaction capabilities for users.

Agence Nationale de la Sécurité Informatique, Tunis, Tunisia   July2019 - August 2019
Computer systems Intern

- Conducted a comprehensive comparative study on multiple SIEM (Security Information and Event Management) systems.
- Provided valuable insights for enhancing cybersecurity measures.
- Delivered a detailed report highlighting the strengths and weaknesses of each SIEM system.
- Assisted in making informed decisions regarding the organization's cybersecurity infrastructure.

Soft-Skills	Technical-Skills	Languages	
- Strong Analytical, Troubleshooting, and	- Programming: Python (advanced), Java, Linux	- French	**Native**
- Problem-Solving Skills - Proactive, Motivated, Organized, and Efficient	- Database: SQL, NoSQL, GraphDB - Big Data	- Arabic	**Native**
- Strong Interpersonal and Communication Skills	- Technologies: Hadoop, Hive, Spark, Terraform, Terragrunt, Kubernetes, Docker	- English	**Professional**
- Ability to Work Collaboratively in a Team Environment	- Data Processing Tools: NiFi, Airflow		
	- Stream Processing: Kafka, Spark Streaming, Akka		
	- DevOps / MLOps: KubeFlow, MLFlow		
	- Machine Learning Frameworks: TensorFlow, SparkML, Scikit-Learn		
	- Web Technologies: HTML5, CSS3, JavaScript, React, Angular		
	- Web Frameworks: Node.js, Django, Flask		
	- Data Analysis Libraries: Pandas, NumPy		
	- Data Visualization: Matplotlib, Seaborn, Plotly		