

# Akram Naoufel TABET

State Engineer in Computer Science specialised in Information Systems and Technology | Graduate Data Scientist

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As a State Engineer in Computer Science specialising in Information Systems and Technology, and a graduate in Data Science from the University of Westminster, I possess a strong foundation in machine learning, business intelligence, and data warehousing. With experience in NLP through an internship in Paris, and as a junior Salesforce administrator, I have also gained skills in generative AI, LangChain, Amazon Cloud and DevOps practices. Passionate about harnessing emerging technologies, I strive to drive innovation and craft insightful solutions in the realms of AI, cloud technologies, and advanced analytics.

## EDUCATION

2022	<b>State Engineer's Degree in Computer Science, NATIONAL SCHOOL OF COMPUTER SCIENCE, ESI, Algiers (Bac+5)</b>
2017	<b>Relevant Courses :</b> Mathematical Analysis, Data Structures, Business Intelligence, Data Analysis and Mining, Project Management, Database Management Systems (DBMS) and Advanced Databases, Natural Language Processing (NLP), Probability and Statistics, Software Engineering
2024	<b>Msc Data Science and Analytics, UNIVERSITY OF WESTMINSTER, London (Bac+6)</b>
2023	<b>Relevant Courses :</b> Data Mining and Machine Learning, Business Analytics, Big Data Theory and Practise, Data Visualisation, Data Warehousing and Business Intelligence, Web and Social Media Analytics, Generative AI

## WORK EXPERIENCE

Jun 2024 May 2024	<b>IEUK 2024 Technology Intern, BRIGHT NETWORK, London, Remote</b> <ul style="list-style-type: none"><li>➤ Gained insights into tech sectors and roles through talks by professionals from companies like BT Group, Deloitte, PwC, focusing on Data Science, ML/AI, and drones.</li><li>➤ Worked on real-life samples from Deloitte, PwC, and BT Group, understanding professional tasks, assessing skills, and networking.</li></ul> <b>Technologies :</b> Data Science, Machine Learning, AI, Drones, Professional Networking, Real-life Work Samples
Jun 2023 Jan 2023	<b>Junior Salesforce Administrator , SOFT-INNOVATION, Paris, Remote</b> <ul style="list-style-type: none"><li>➤ Participating in the implementation of a B2B CRM for INWI Business</li><li>➤ Construction of the integration platform ( Real-time Data Integration )</li></ul> <b>Technologies :</b> Object manager and Lightning web components, Talend Data Integration , Apex, Vlocity (OmniScript), MongoDB
Aug 2022 Oct 2021	<b>Final Year Intern in Data Science, INTERN AT TÉLÉCOM SUDPARIS IN COLLABORATION WITH COGIGROUP, Paris</b> <ul style="list-style-type: none"><li>➤ Real-time Aggregation and Analysis of Online Data</li><li>➤ The selection of relevant web pages through a supervised model using machine learning classification techniques</li><li>➤ The extraction of information from relevant web pages (BERT and NER)</li></ul> <b>Technologies :</b> Web Crawling and Scraping Technologies, NLP (BERT), Regression, Spacy, NLTK, Python, Scikit-Learn, Dash, Git
Sep 2021 Dec 2020	<b>Mobile Developer, FREELANCE, Algiers</b> <ul style="list-style-type: none"><li>➤ Design and Development of a practical application for online shopping</li><li>➤ The Development of the pipeline online ordering of products and Delivery service</li></ul> <b>Technologies :</b> Flutter, Dart, PostgreSQL, Google Maps API, Firebase Cloud Messaging , Git

## KEY PROJECTS

### AN INTERACTIVE CHATBOT SOLUTION FOR E-COMMERCE USING GENERATIVE AI AND AWS

2024

- Developed an interactive AI chatbot for the e-commerce sector to handle customer service tasks, including answering queries, providing personalised product recommendations, and offering real-time order status updates.
- Utilised a generative AI model fine-tuned with e-commerce-specific data and deployed the solution using AWS services for scalability and reliability.
- **Technologies :** Generative AI, Large Language Models (LLMs), RAG, Amazon Web Services (AWS), SageMaker, Lambda, S3, Amazon API Gateway

<b>EXPLORING TESLA MODEL 3 OWNER EXPERIENCES</b>	2024
<ul style="list-style-type: none"> <li>&gt; Analysed social media data to explore Tesla Model 3 owner experiences, focusing on themes, sentiments, and issues using data from Reddit and YouTube.</li> <li>&gt; Conducted EDA to identify frequent words, sentiments, bigrams, and trigrams. Utilised VADER for sentiment analysis, LDA for topic modeling, and Sentence Transformers for issue detection.</li> <li>&gt; <b>Technologies</b> : Python,EDA, Sentiment Analysis,LDA,YouTube Data API, NLTK, Sentence Transformers</li> </ul>	
<b>EARLY DETECTION OF MPOX VIRUS USING MACHINE LEARNING : A COST-EFFECTIVE SCREENING APPROACH</b>	2023
<ul style="list-style-type: none"> <li>&gt; Developed a machine learning tool for cost-effective MPOX virus screening.</li> <li>&gt; Analysed 2022 PCR test data to create a predictive model with healthcare professionals.</li> <li>&gt; <b>Technologies</b> : Classification Algorithms, SVM, Decision Tree, Logistic Regression, KNN, k-fold cross-validation, GridSearchCV</li> </ul>	
<b>REAL-TIME DATA INTEGRATION FOR TELECOMMUNICATIONS COMPANY</b>	2023
<ul style="list-style-type: none"> <li>&gt; Established a real-time data integration solution for Inwi, a telecommunications company.</li> <li>&gt; Ensured efficient and seamless data synchronization across Inwi's infrastructure for real-time accuracy.</li> <li>&gt; <b>Technologies</b> : Talend Data Integration, Salesforce Platform, MongoDB</li> </ul>	

LANGUAGES, CERTIFICATES & KEY SKILLS

<b>Languages</b>	<b>Arabic</b> (Native Language), <b>English</b> (Professional Proficiency IELTS (B2)), <b>French</b> (Professional Proficiency TCF (B2))
<b>Certificates</b>	<b>Coursera</b> (Python for Data Science, AI & Development, Generative AI with Large Language Models...), <b>Amazon Cloud</b> (AWS Certified Cloud Practitioner), <b>Salesforce</b> (Salesforce Certified Administrator)
<b>Programming</b>	Ability to code and read in Java,JavaScript,Python, R, Dart, HTML5/CSS, SQL, XML
<b>Frameworks</b>	High proficiency in utilising Microsoft Office, Laravel,Flutter, Django, Bootstrap, Talend
<b>Databases</b>	MySQL, PostgreSQL, MongoDB, NoSQL, Firebase
<b>Data Science</b>	<b>Python</b> (Numpy, Pandas, Seaborn, Matplotlib, Sk-Learn, Keras, TensorFlow), <b>Natural Language Processing, Extraction and Data Analysis</b> (Spacy, NLTK, NER), <b>Web Scraping</b> (Selenium, Scrapy), <b>Data Visualization</b> (Dash, Tableau, Power BI), <b>Statistical Foundations &amp; Forecasting</b> (Regression analysis, Hypothesis testing, Time series analysis)
<b>Machine Learning</b>	Classification, Clustering, Regression, Generative AI, Langchain, Vector Embeddings,RAG
<b>Salesforce</b>	<b>Salesforce Administrator</b> (Object manager and Lightning web components, APEX Triggers, SOQL & SOSL, Sales & support applications, Workflow & Process automation, Data analytics management)
<b>Cloud and DevOps</b>	AWS Cloud Practitioner certified,Continuous integration/continuous deployment, (CI/CD),Containerization (Docker)
<b>Cyber Security</b>	Basic knowledge of network security, encryption, threat analysis, and vulnerability assessment
<b>Additional Skills</b>	<b>Office Software Skills</b> (LATEX, Word, Excel, PowerPoint, PacketTracer), <b>Modeling</b> (UML, BPMN)
<b>Soft Skills</b>	Good at communication and storytelling, Excellent team player, Self-motivated, flexible, Excellent in time management and organization, Data Curiosity, Fault handling and analytical skills, Detail-oriented and can solve problems innovatively and logically

INTERESTS

<ul style="list-style-type: none"> <li>&gt; SPORT : Regular fitness enthusiast and Passionate about long-distance running</li> <li>&gt; TECHNOLOGY : AI</li> <li>&gt; TALENT : Cooking</li> </ul>	
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REFERENCES

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