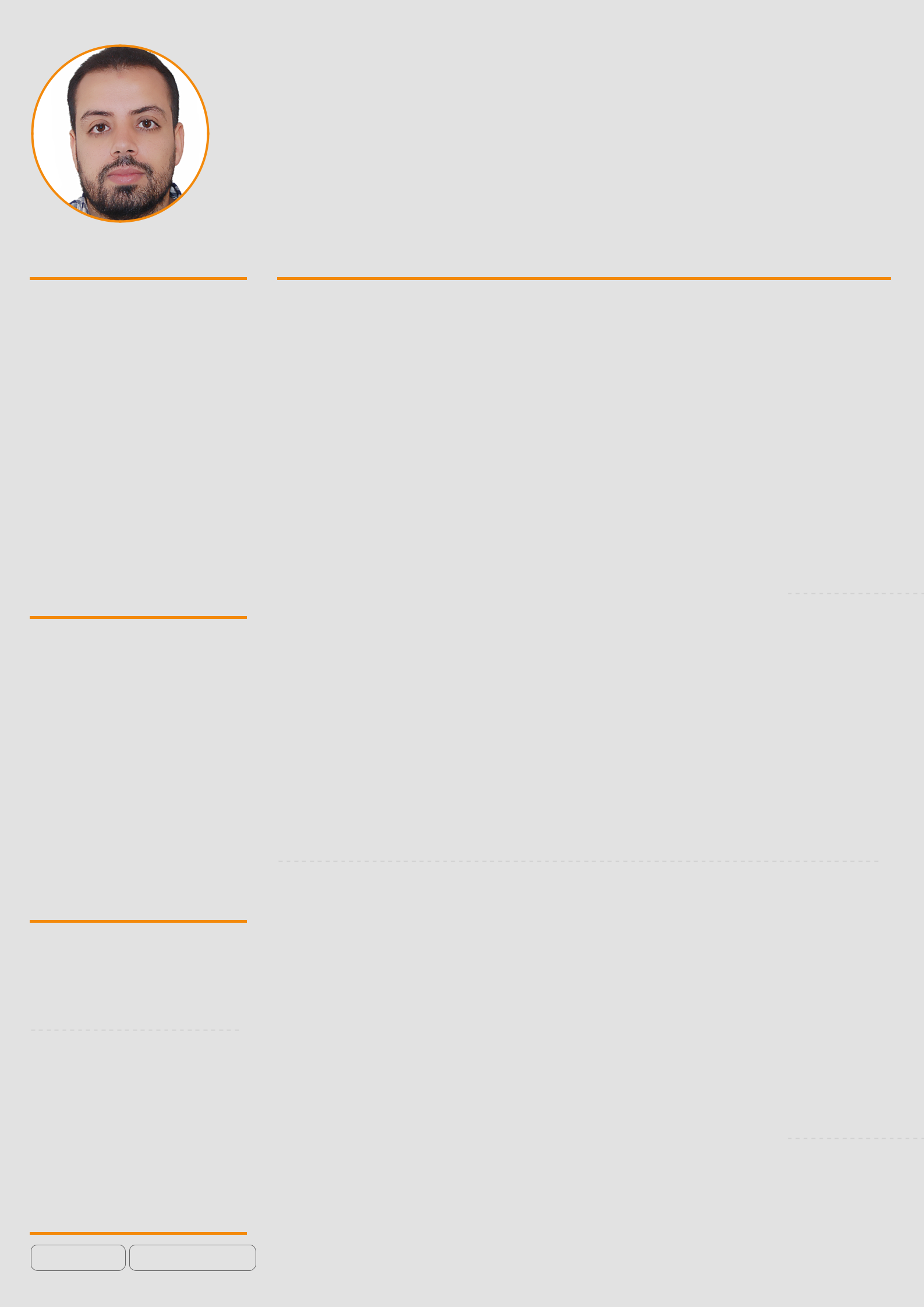
**ISMAIL OUGAMANE**

**Cloud Data Engineer | 4 x AWS certif**

\ [**ismail.ougamane@gmail.com**](mailto:ismail.ougamane@gmail.com) **Khouribga, Morocco**

[**https://www.linkedin.com/in/ismail-ougamane**](https://linkedin.com/in/https://www.linkedin.com/in/ismail-ougamane)

**ABOUT ME**

*Experienced Cloud Data Engineer, skilled in data analysis, data management, and API development. Pro-ficient in data science tech-nologies and AWS cloud services, with certifications in AWS Machine Learn-ing, AWS Data Analytics, AWS Developer, and AWS Cloud Practitioner. Excel-lent problem-solving abili-ties.*

**CERTIFICATIONS**

AWS Certified Machine Learning – Specialty AWS Certified Data Ana-lytics – Specialty

AWS Certified Developer - Associate

AWS Certified Cloud Prac-[titioner](https://www.credly.com/badges/19acdcf2-9677-4e8e-b43b-27978ac8a1b1)

**EDUCATION**

Master in data science

and big data | ENSIAS

2017 – 2019 Rabat, Morocco

|  |  |  |
| --- | --- | --- |
| Bachelor’s Degree in Com- | |  |
| puter Science and Deci- | |  |
| sion Systems Engineering | |  |
| | Higher School of Tech- | |  |
| nology | Safi , Morocco |  |
| 2014 – 2017 |  |

**SKILLS**

AWS Cloud Data Integration

**EXPERIENCE**

|  |  |  |
| --- | --- | --- |
| AWS Data Engineer | IBM | Casablanca, Morocco |  |
| 06 2022 – 04 2023 |  |

Mission 1: Smart Factory Monitoring Platform | BP

• Designed and implemented real-time data streaming solutions using AWS Kinesis, IoT Core, and Lambda, ensuring seamless capture and processing of sensor data from smart factory devices.

• Developed data storage and management strategies by leveraging AWS S3 and IoT Site-wise, ensuring secure and eﬃcient storage, along with the creation of a comprehensive data model for smart factory assets.

• Automated data workflows through AWS Step Functions, orchestrating data pipelines and enabling smooth data movement and processing across multiple AWS services.

Python, AWS CloudFormation, AWS kinesis, AWS Lambda, IoT CORE, AWS S3, IoT Sitewise,**Tools:** Git,Azure DevOps Server, AWS greengrass, AWS Step Functions.

Mission 2: Solution Migration from Hanhaa to AWS | DS Smith

• Conducted a comprehensive assessment of the existing Hanhaa solution, analyzing its architecture and dependencies, and identified areas for optimization during the migra-tion process.

• Led the development and execution of a successful migration strategy, leveraging AWS Lambda, S3, Git, and AWS CodeCommit to eﬃciently transfer and store data on the AWS platform.

• Implemented a scalable and high-performance data warehouse on AWS Redshift, en-suring seamless data migration and transformation while maintaining data integrity for advanced analytics and reporting.

**Tools:** Python, AWS Lambda, AWS S3, Git, AWS CodeCommit, AWS RedShift.

|  |  |  |
| --- | --- | --- |
| Data Engineer | Berexia | Casablanca, Morocco |  |
| 07 2020 – 06 2022 |  |

Mission 1: SCOR Group IT aims to reduce request processing time and im-prove customer experience. | Scor

• Implement and refine NLP and ML models to extract and categorize information from request documents.

• Collaborate with multidisciplinary teams to integrate the tool into existing systems and ensure smooth deployment.

• Continuously evaluate and improve the tool’s performance by analyzing data and imple-menting necessary enhancements or updates.

Python, NLU, NLTK, Flask, Pandas, Docker, Git, scikit-learn, Jenkins.

Mission**Tool:** 2: SCOR Group IT aims to optimize the accounting process and re-duce errors. | Scor

* Develop and maintain the Data Capture Framework for classification and extraction of information from accounting documents.

Back-end developer

**LANGUAGES**

**Arabic: Native**

**English: Fluent / C1**

**French: Fluent / C1**

**PUBLICATIONS**

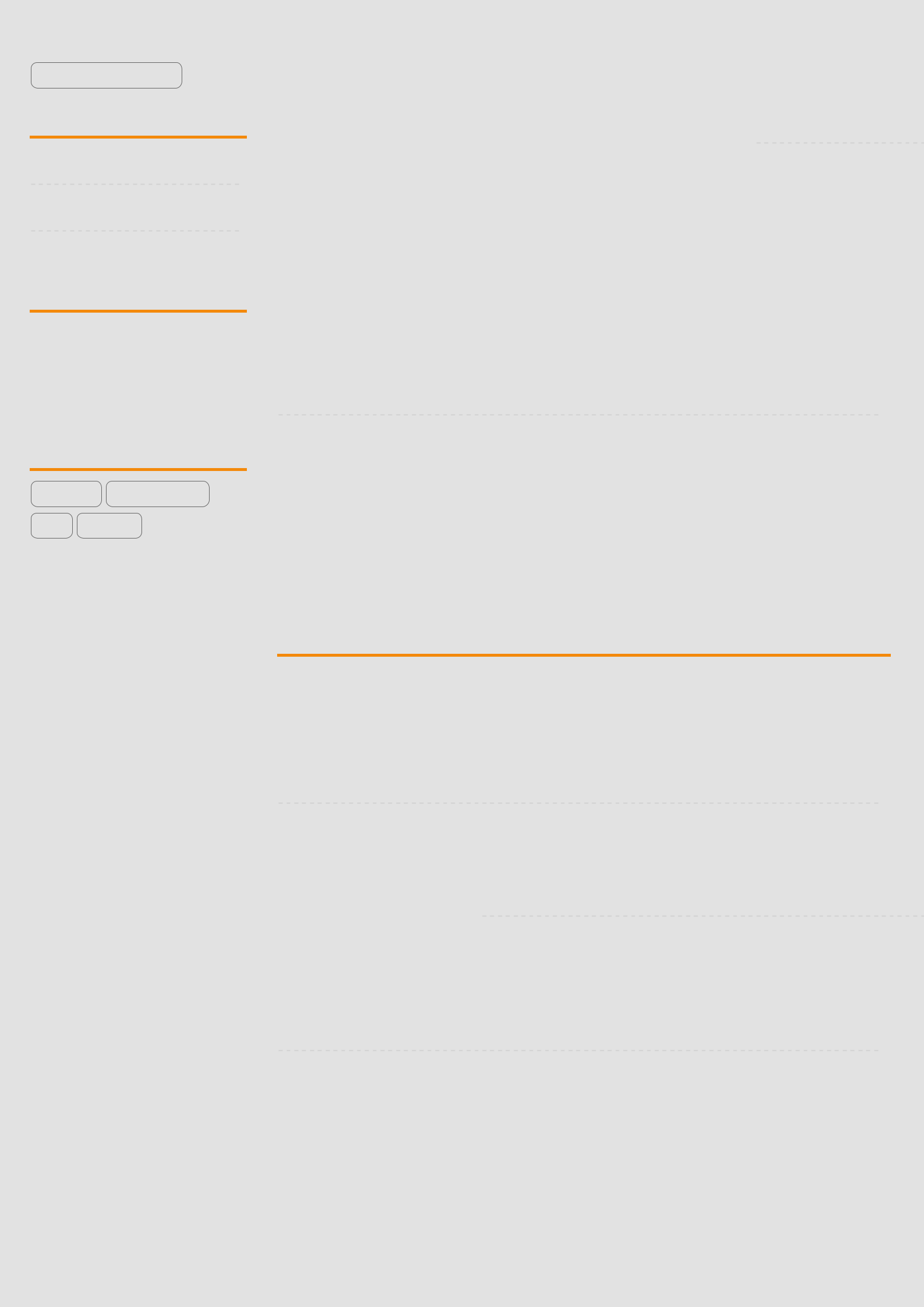
**Karabuk, Turkey Conference paper:** Towards

Automatic Diagnosis of the COVID-19 Based on Machine Learning, 2021

**INTERESTS**

Football Horse Riding Trip Cycling

|  |  |  |
| --- | --- | --- |
| • Collaborate with accounting and finance teams to improve the accuracy and eﬃciency | |  |
| of the data extraction process. |  |  |
| • Export the extracted information in an appropriate format for consumption by other | |  |
| services or systems. |  |  |
| **Tools:** Python, NLU, NLTK, Flask, Pandas, numpy, Docker, Git, Jenkins. | |  |
| Data Scientist Researcher | EIGSI | Casablanca, Morocco |  |
| 11 2019 – 04 2020 |  |



Mission 1: Develop and implement machine learning models for COVID-19 diagnosis.

* Collect and preprocess data from COVID-19 patients.
* Evaluate and refine model performance using relevant metrics.
* Collaborate with domain experts to validate the accuracy and clinical relevance of the model.
* Write conference paper, incorporating feedback and following submission guidelines. **Tools:** Python, Keras, Pandas, Flask, Git, scikit-learn

Mission 2: Detection and classification of ocular diseases with Flask inte-gration.

* Collect and preprocess ocular imaging data, ensuring data quality and normalization.
* Develop and fine-tune deep learning models for accurate detection and classification of ocular diseases.
* Integrate the model into a Flask application, creating entry points for input images and output predictions.

Python, Keras, Pandas, Flask, Git, scikit-learn**Tools:**

**INTERNSHIPS**

Data Science Researcher | ENSIAS Rabat - Morocco

04 2019 – 10 2019

• Study on the use of a domain-specific language in machine learning for big data, and proposing improvements to the Siamese neural network in the context of few-shot learning.

Business Intelligence | AFRICALL-CENTER Rabat - Morocco

04 2017 – 06 2017

• Development of a data management system.

**Tools:** Talend, Pentaho, SQL.

Network and System Administration Consultant | MARSA MAROC Casablanca

- Morocco

04 2016 – 06 2016

• Study of a secure computer network at MARSA Maroc.

Developer | Groupe OCP Khouribga - Morocco

08 2015 – 09 2015

• Development of a desktop application.

**Tools:** Java FX, Gimp.