



# Nabil Gouri

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**Gender:** Male **Date of birth:** 20/11/1997 **Nationality:** Algerian

## ABOUT ME

I'm an Artificial intelligence Master degree graduate passionate about Machine learning and its sub-fields and especially computer vision. I like automating things, building pipelines, exploring scalability problems, and improving efficiency and performance. But before all, I'm a "paranoid coder" so I'm obsessed with quality testing the code I write.

## WORK EXPERIENCE

[ 01/10/2021 – Current ] **Junior developer**

### ***Kepler Technologies***

**City:** Algiers

**Country:** Algeria

#### **Main activities and responsibilities:**

I have worked on two projects for two different clients in the first project my missions were :

- Monitoring of tools and interfaces
- Carry out application configuration
- Manage small and medium-sized application developments
- Accompany business users, particularly on evolution projects
- Handle data (updates, extractions, quality)
- Handle requests with a ticketing tool and a chat interface
- Set up data (interface + database)
- Analyze situations presented by users: diagnosis, requests in DB
- Correct the data

***The technologies used in this project were Naif JS as the programming language, MySQL and Exasol as databases, Talend Flows and grafana for monitoring***

And in my second project my missions were :

- Write software applications and programs for backend/frontend purposes.
- Analyze programs and apps to improve their features and functionalities.
- Test & debug programs and fix any reported bugs.
- Collaborate with the tech team to improve the performance, efficiency, and scalability of our tools.
- Develop and enhance enhancing the performance of the main front-end website.

***The technologies used in this project were the MERN stack (Mongo DB , Express JS, React JS, Node JS)***

[ 12/10/2020 – 03/11/2021 ] **Computer Vision Engineer**

***Eye Can Talk***

**City:** Annaba

**Country:** Algeria

[https://drive.google.com/drive/u/1/folders/12GoXPMBS\\_ZVx1mNdI5SaqjGlhxK6chI4](https://drive.google.com/drive/u/1/folders/12GoXPMBS_ZVx1mNdI5SaqjGlhxK6chI4)

**Main activities and responsibilities:**

My team and I, we're creating an AI on edge system that can detect and translate eye movement to words for physically challenged people. we used many ML and DL libraries like Tensorflow, Keras for the model, and OpenCV for the Image processing.

For the hardware, we used an AI kit that consists of Nvidia Jetson Nano, Intel Neural Stick 2, Raspberry PI Camera.

The results were really promising. you can read more about the project and watch a presentation video from this google drive link :

[ 09/09/2020 – 14/07/2021 ] **Machine Learning Engineer (INTERNSHIP)**

***LABGED Laboratoire de Gestion Electronique du Document***

**City:** Annaba

**Country:** Algeria

**Main activities and responsibilities:**

Researching and developing a 3D-based BRAIN TUMOR DETECTION AND SEGMENTATION IN MR IMAGES and I have done my graduation thesis based on it.

I used mainly Pytorch for implementing my Deep Encoder Decoder CNN Architecture, For the image processing, I used openCV and NiBabel since I have been working with 3D MRI's..

For future work, I'm thinking about using GAN's to generate more MRI's dataset for the training to increase the performance

## EDUCATION AND TRAINING

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[ 10/09/2019 – 14/07/2021 ] **Master Degree in Artificial Intelligence and Image Processing**

***Badji Mokhtar University*** <https://www.univ-annaba.dz/>

**Thesis:** Brain Tumor Segmentation Based on 3D MRI's Using a Deep Learning approach.

[ 08/09/2016 – 09/08/2019 ] **Bachelor Degree In Computer science**

***Badji Mokhtar University*** <https://www.univ-annaba.dz/>

[ 03/03/2020 – 06/05/2020 ] **Data Analysis Track Certificate**

***Udacity partnership with the 1 Million Arabic CODER***

## LANGUAGE SKILLS

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**Mother tongue(s):** Arabic

**Other language(s):**

**English**

**LISTENING** C2 **READING** C2 **WRITING** C1

**SPOKEN PRODUCTION** C1 **SPOKEN INTERACTION** C1

**French**

**LISTENING** C1 **READING** C1 **WRITING** C1

**SPOKEN PRODUCTION** C1 **SPOKEN INTERACTION** C1

## DIGITAL SKILLS

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Linux | Numpy | Git | GitHub, Dockers, Kubernetes | AWS Web Services | Web crawling using Scrapy | Django | RESTful WebServices | FastAPI

### Databases

Firebase | Relational Databases: SQL | SQL | MongoDB, MySQL | CCL

### Artificial Intelligence

Deep Learning | Neural Networks and Deep Learning | Machine Learning | Tensorflow | Microsoft Power Platform (Power BI, Power Apps, Power Automate) | PyTorch | Keras | Jupyter Notebook

### Data Processing

Pandas | Scikit-Learn | Computer Vision | OpenCV

### Programming Languages

Python | Java | C | Programming languages (Python and R program)

### Data Visualization

Matplotlib | Seaborn

### Software testing

Unit-testing, integration testing, TDD | Test driven Development | Selenium WebDriver | BDD - Behavior Driven Development | Selenium Java

## DRIVING LICENCE

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**Cars:** B

## PROJECTS

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[ 10/02/2021 – 09/08/2021 ] **Codersbook**

Coderbook is basically a social media for developers and coders, I developed it with help of a friend. It is a website based on the MERN stack (MongoDB, Express JS, React JS, Node JS).

<https://github.com/nabilgouri/Social-media-f-or-coders>

[ 04/09/2020 – 10/09/2020 ] **Credit Card Fraud Detection**

a data science project that consist of analyzing a dataset that contains transactions made by credit cards and detect the fraud

[ 07/04/2020 – 06/05/2020 ] **Covid19 Data Analysis**

A data science project that involved analyzing and visualizing a web-scraped dataset about COVID 19

**VOLUNTEERING**

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[ 10/09/2020 – Current ] **Active Member of the development team in AI School of Algiers club**

Algiers,Algeria