

# Ghorab Moundir Razine

## Master student

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### Education

Sep 2019 – present	<b>Master degree artificial intelligence,</b> <i>University of Science and Technology Houari Boumediene</i> <a href="#">🔗</a>
Sep 2017 – Jun 2018	<b>Bachelor degree computer science,</b> <i>University of boumerdes</i> <a href="#">🔗</a> <i>option: computer systems</i>
Sep 2015 – Jun 2017	<b>Bachelor degree computer science,</b> <i>University of algiers 1</i> <a href="#">🔗</a> <i>option: computer systems</i>

### Professional Experience

Apr 2022 – Sep 2022	<b>intern researcher,</b> <i>technical university of Munich</i> worked on developing NAS (neural architecture search) framework for tinyML based on genetic algorithm and reinforcement learning
Jan 2018 – Jul 2018	<b>intern researcher,</b> <i>Algerian Petroleum Institute</i> worked on analyzing large sensitive data to make strategic decisions.

### Projects

#### small java compiler

*building a simple compiler for the small java language as project for compiler course.*

**YACC/BISON, C**

#### sat solver

*building 3 sat solver using meta-heuristics algorithm as a project for meta-heuristic course.*

**JAVA**

#### Real-time prediction of online shoppers

*implementation of this [🔗](#) research paper, a deep learning model for e-commerce prediction.*

**TensorFlow**

#### simple OS

*simple operating system based on xv6.*

**C, C++**

#### SII search engine

*building a simple search engine based on Vector space model and Boolean model of information retrieval.*

**python, flask**

#### data mining

*implementing three algorithms of data mining : " naive bayes , knn , Apriori " from scratch.*

**JAVA**

### **tesseract for Arabic**

finetuning Arabic model of tesseract to handle handwriting Arabic manuscript.

### **python**

### **mnist DCGAN model**

building a Deep Convolutional Generative Adversarial Network model to generate new synthetic data samples as a test method for data creation.

### **PyTorch**

## **Organisations**

**Algeria 2.0**, *co-organizer and ambassador of the biggest tech event in africa* [↗](#)

Now become Digital African Summit [↗](#)

**GDG algiers**, *member (organizer)* .

**facebook developer circle algiers**, *member (organizer)* .

## **Courses**

calculus 1 & 2, algebra, linear algebra, introduction to stat and proba, probability, convex optimization, operating system 1 & 2, compiler 1 & 2, logic, game theory, machine learning, algorithm, data structure, complexity, meta-heuristic, knowledge representation, agents systems, computer architecture, digital design 1 & 2, machine vision, web semantic, information retrieval, Constraint logic programming, computer vision, natural language processing, knowledge representation 2, data mining.

## **Languages**

- arabic

- french

- english