Ichrak Hamdi

Computer Science Engineering Student, Machine Learning Enthusiast
and highly motivated in seeking out new techniques and technologies to improve human's life.

📞 +21629144540　✉ ichrak.hamdi@ensi-uma.tn　in Hamdi Ichrak　○ ichrakhamdi　% www.ichrakhamdi.live

Education

NATIONAL SCHOOL OF COMPUTER SCIENCE (ENSI)
C.S Engineer/R.Master in SS
📅 2020-2023　📍 Manouba, Tunisia

- National Engineering Degree in Computer Science.
  Specialty: Artificial Intelligence.
- Research master's degree in Smart Systems.

PREPARATORY INSTITUTE FOR ENGINEERING STUDIES OF BIZERTE(IPEIB)
Preparatory Cycle
Math-Physics
📅 2018–2020　📍 Bizerte, Tunisia

Languages

English(Professional)
French (Professional)
Arabic (Native Language)
Dutsh (Basics)

Skills

PROGRAMMING
Python • C/C++ • HTML/CSS • PHP •JavaScript • Java • MySQL

MISCELLANEOUS
Machine Learning• Deep Learning •TensorFlow •Big Data •Data Mining •Django • Firebase • Git

Honors

BEST TEAM SELECTED BY THE JURY
Talan-Tunisia
After two-month internship at Talan Tunisia ,my team was chosen as the best team by the jury.

RESEARCH POSTER AWARD
Deep Learning INDABA
I was one of the prize winners for my research poster about medical image segmentation out of 120 other posters.

IDEATHON
Deep Learning INDABA
Our project was selected as one of the Ideathon winning projects.

Experience

ARTIFICIAL INTELLIGENCE INTERN
Talan
📅 Jul 2022 – Aug 2022　📍 Talan,Tunisia

- Conducting a decentralized infrastructure for an ongoing metaverse project.
- Searching for body tracking algorithms and motion detection techniques.

SUMMER INTERNSHIP
Aggricus
📅 Jun 2021 – Aug 2021　📍 Technopark Manouba

- Using Flutter and Firebase to allow the clients of the company Aggricus use the services on their mobile phone through this e-consulting mobile application.

GENERAL SECRETARY AND DIRECTOR OF HUMAN RESOURCES
ENSI Robotics Association
📅 May 2021 – May 2022　📍 ENSI, Manouba

Projects

Mario Bros with a Double Deep Q-Network | Double Deep Q-Network,TensorFlow
📅 Sep 2022 - Present

- Building an agent that can get through the Super Mario Bros (NES) environment.

Comparative study of machine learning algorithms of the medical image the segmentation for Breast Cancer | Python,U-NET, FCM,EM,Django
📅 Feb 2022 – May 2022　📍 ENSI, Manouba

- Web-based application for breast cancer screening.
- Implements a comparative study mechanism of ML algorithms for medical image segmentation.

Taquin Game | Python,Artificial Intelligence
📅 May 2022　📍 ENSI, Manouba

- Development of the game Taquin with resolution using Artificial Intelligence algorithms: A*/BFS/DFS.

ACTIVITIES AND CERTIFICATIONS

- Participation in the yearly gathering of the African machine learning community **"Deep Learning Indaba"**.
- Training sessions in **Reinforcement Learning** assured by **InstaDeep and DeepMind** at **Deep Learning Indaba**.
- Participation in the **Innovation Camp** program organized by **"Injaz Tunisia"**.
- Training in mobile application development assured by **"Orange Developer Center"**.
- Learning the basics of **machine learning and deep learning**(coursera and DataCamp).
- Participation in the following competitions: ENIM Robot 6, PI Robots,ENIS Robots,ULT ROBOTS.