ASSALA BENMALEK

IBM Research intern | Computer engineering graduate from IGEE|
Data science , Computer Vision | Research Enthusiast.
Algiers, Algiers, Algeria

Summary

I am a computer engineer fresh graduate, I am looking to learn more
about machine learning , deep learning and Edge Ai. I do research
on the different applications of AI models and their deployment and
optimization.

"Learning is my gateway to the world, and technology is the tool "

Experience

IBM
Research Intern
October 2024 - Present (4 months)
Nairobi County, Kenya

Smeetz
Solution Engineer Intern
April 2024 - September 2024 (6 months)
Switzerland

I worked with Solution Engineers team to provide advanced technical support
(L2 and L3) to end-users, collaborating with developers and the customer
service team for efficient issue resolution.

Key Responsibilities:

- Issue Handling: Independently manage L2 technical support tasks,
showcasing a deep understanding of the product and its features.
- Collaboration with Development: Work closely with the development team to
swiftly resolve complex issues (L3) for end-users.
- Daily Meetings: Participate in daily meetings with the customer service
team to address urgent matters and coordinate efforts for effective problem
resolution.

- KPIs and SLAs: Uphold key performance indicators (KPIs) and service level agreements (SLAs) to accelerate bug fixes and enhance overall software performance.
- Collaboration with Account Managers: The account managers typically involve the Technical support team in account setups or finding solutions for a wanted behavior by using the technical expertise of the tech support member.
- Continuous Learning: Stay updated on the product to provide accurate information to customers.
- Documentation skills : Record all customer special setups to expedite bug resolution and contribute to ongoing product improvement efforts.

Microsoft
African Computer Vision Summer School 2024 Scholar
July 2024 - July 2024 (1 month)
Nairobi County, Kenya

I participated in the first edition of the ACVSS 2024 Summer school in Africa. I could gain insights into the fundamentals and intricacies of deep learning and advanced architectures for computer vision, 3D geometry and other mathematical groundwork, self-supervised learning and foundational vision models (VLMs), scene understanding and applications to robotics, social, medical, etc. ethics and pressing issues related to bias, fairness, and diversity, generative models and conditional image synthesis.

- I presented my master's thesis work during the poster session.
- I participated in the summer school's hackathon with other 3 team mates from Kenya and Italy and collaborated with them to work on a research topic entitled : "Fairness and bias in Ai's representation of African Tourism. "
Our project won the best research project in the summer school.

ENNA
Systems Engineering Intern
March 2024 - March 2024 (1 month)
Algiers, Algeria

I worked closely with the system department of the Algerian National Air Navigation Establishment on the automatic synchronization of the aircraft navigation systems , data management for aerospace navigation and controlling .

MajestEYE
Data Science Intern
July 2023 - September 2023 (3 months)

Tunisia

Djezzy
Data science immersion program (DSIP)
February 2023 - May 2023 (4 months)
Algiers, Algeria

Project : Point of sales segmentation
Our team worked on segmenting the different behaviors of a
telecommunication company's point of
sales across the country in order to evaluate and improve their real
performances.

South African Astronomical Observatory
Big Data Africa school 2023 scholar
March 2023 - March 2023 (1 month)
City of Cape Town, Western Cape, South Africa

I attended big data Africa school conferences and workshops about Ai in the
biomedical field and
astronomy.
Worked on IBM research Africa project "Out Of Distribution Samples Skin
cancer and Malaria as use
cases"

Deep Learning Indaba
Deep learning indaba 2022 Participant
August 2022 - September 2022 (2 months)
Tunis, Tunisia

The Deep Learning Indaba is the annual meeting of the African machine
learning community with the mission to Strengthen African Machine Learning.
In 2022, the Indaba gathered 350 members of Africa's artificial intelligence
community for a week-long event of teaching, research, exchange, and debate
around the state of the art in machine learning and artificial intelligence.

Key skills:
- Introduction to Reinforcement Learning
- Multi-agent RL
- Introduction to JAX
- Deep generative modeling
- ML Efficiency (Edge ML, ML Supermacy, etc)
Things I achieved during the event :

- Getting a special mention for the poster (out of 170 posters) I presented with my partner Ihssene Brahimi
- Winning an award in the DLI ideathon.
- Networks! Lots of networks! (I made great acquaintances from many African countries namely: Tunisia, Algeria, South Africa, Senegal, Sudan, Egypt, Morroco, and Nigeria).The Deep Learning Indaba is the annual meeting of the African machine learning community with the mission to Strengthen African Machine Learning. In 2022, the Indaba gathered 350 members of Africa's artificial intelligence community for a week-long event of teaching, research, exchange, and debate around the state of the art in machine learning and artificial intelligence. Key skills: - Introduction to Reinforcement Learning
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Skills: Deep learning · team work · Networking

GDG Algiers
Organizer
2020 - August 2022 (2 years)

leading the marketing team in the 2021/2022 season as a comanager.
we worked with LG, GoMyCode, Instadeep, Omega Networks, DigitalOceans, Weights&Biases, and collaborated with GDG and WTM chapters of the global community.
event manager of GDG&WTM welcome day 2022

Women Techmakers Algiers
2 years

member
2020 - August 2022 (2 years)

Marketing section manager
August 2021 - July 2022 (1 year)
Alger, Algérie

Samsung Electronics
Samsung Innovation Campus (AI program) Scholar
July 2021 - October 2021 (4 months)

Student of artificial intelligence at Samsung innovation campus 2021 (Algeria).
An introduction to Artificial Intelligence that covers the following skills :
* Python
* Data preprocessing
* Data vizualisation
* Probability
* Supervised machine learning
* Unsupervised machine learning
An introduction to Deep Learning which covers the following skills :
* Artificial Neural Network
* Deep Neural Network
* Convolutional Neural Network
* Transfer Learning
* Natural Language Processing
* Recurrent Neural Network
* Intro to TensorFlow
* Topic modeling
* AutoEncoder
* GANs
Capstone project (Duration : +1 month): Fire detection system with computer visionWhat I learned through this course : An introduction to Artificial Intelligence that covers the following skills : * Python * Data preprocessing * Data vizualisation * Probability * Supervised machine learning * Unsupervised machine learning An introduction to Deep Learning which covers the following skills : * Artificial Neural Network * Deep Neural Network * Convolutional Neural Network * Transfer Learning * Natural Language Processing * Recurrent Neural Network * Intro to TensorFlow * Topic modeling * AutoEncoder * GANs Capstone project (Duration: +1 month): Fire detection system based on computer vision
Skills: python · machine learning · Deep learning · data science · team work · time management

Snai3i | صنايعي
SYMPA SNAI3I
May 2021 - September 2021 (5 months)
Alger, Algérie

Intern in the media team as a video editor,
SYMPA program included several training sessions about management and entrepreneurship:

Facebook adds

Public speaking

graphic design

Content creation

Planning

sales life cycle

World Learning Algeria
Tech girls US embassy program
May 2021 - September 2021 (5 months)
Alger, Algérie

Selected among the 20 tech girls in Algiers to learn and take courses about STEM
we have learned about cyber security with Kali Linux, 3D design, web development, python, and game design.

INJAZ Al-Arab
Injaz Al Arab competitor
November 2020 - December 2020 (2 months)

6 months training program where students form a start-up and study
entrepreneurial and management skills;
participated in the 6 challenges :
FedEx global possibilities
Google's best digital presence
Investcorp value creation
Citi client focus
Master card excellence in technology
Schneider electric sustainability

We won the best product award in 2020 with ITdrops junior company

INJAZ El Djazair
INJAZ AL Djazair Competitor
May 2020 - October 2020 (6 months)
Algiers, Algeria

Founded ITdrops startup and won the best company award in Algeria in the national competition of injaz .

Education

IGEE (ex INELEC)

Master's degree, Computer Engineering · (October 2022 - September 2024)

IGEE (ex INELEC)

Bachelor's degree, Electrical and Electronics Engineering · (2019 - 2022)