

MOHAMMED ABDELHADI SELLAMI

COMPUTER SCIENCE ENGINEER SPECIALIZING IN ARTIFICIAL INTELLIGENCE

CONTACT



Algeria Ouargla



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<https://github.com/hunter123520>



<https://sellami-portfolio.netlify.app>

HARD SKILLS

- **React:** Extensive experience in building user interfaces and web applications.
- **Python:** Proficiency in data analysis, machine learning, and scientific computing using libraries like PyTorch, TensorFlow, NumPy, Pandas, SciPy, and Matplotlib.
- **C/C++:** Strong foundation in systems programming and software development.
- **Java:** Expertise in object-oriented programming and application development using JavaFX and JavaSwing.
- **HTML, CSS, JavaScript:** Comprehensive knowledge of web development technologies, including jQuery.
- **PHP, SQL, AJAX, JSON:** Experience in server-side scripting, database management, and web application development.
- **Flutter, Dart:** Proficiency in cross-platform mobile app development.
- **Blender:** Expertise in 3D modeling, animation, and rendering.
- **Godot, Unreal, Unity:** Experience in game development using various engines.
- **Figma:** Proficiency in user interface and user experience design.
- **LaTeX:** Expertise in technical document preparation and typesetting.
- **Adobe Photoshop, After Effects, Character Designer:** Proficiency in image editing, video editing, and character design.

PROFILE

Recently graduated with a Master's in Artificial Intelligence and Data Analysis. Eager to leverage my skills in a professional setting, I bring strong technical knowledge, excellent communication, and problem-solving abilities. I prefer remote work for flexibility but am open to on-site opportunities if accommodation is provided.

EDUCATION

Master of Science in Artificial Intelligence and Data Science

Kasdi Merbah University, Ouargla, Algeria

Graduated with Excellent Grade (19.5/20 for Graduation Project)

Overall Average: 17.89/20

Sep, 2021 - Jun, 2024

Bachelor of Science in Computer Science

Kasdi Merbah University, Ouargla, Algeria

Graduated as Class A Student

Sep, 2019 - Jun, 2021

Science in High School

Kunduz Ali High School

Graduated with honors

Sep, 2017 - Jun, 2019

WORK EXPERIENCE

Vacataire Teacher

September 2024 – Present

Kasdi Merbah University, Ouargla, Algeria

- Taught TP courses in Operation Systems.
- Developed lesson plans and assessments.
- Engaged students with interactive lectures and discussions.

RESEARCH

Improving Linear Models for Univariate Long-term Time Series Forecasting

The 6th International Conference on Pattern Analysis and Intelligent systems 2024

APRIL, 2024

Time Series Forecasting Using Linear Models: A Comprehensive Investigation and Empirical Analysis

Master Thesis Supervised By Dr. Khaldi Bilel in the University of Kasdi Merbah Ouargla

JUNE, 2024

Enhancing cyberbullying detection using 1D CNN and BERT with sliding window bigram preprocessing.

"2. BİLSEL INTERNATIONAL SUR SCIENTIFIC RESEARCHES CONGRESS" DİYARBAKIR/ TÜRKİYE

15-16 JUNE, 2024

SOFT SKILLS

- Effective communication
- Team Work
- Time management
- Problem-solving
- Adaptability
- Work ethics

LANGUAGES



Privacy-preserving Intrusion Detection: A Federated Learning Approach with Convolutional Neural Networks and Random Resampling (KDD Dataset)

"2. BİLSEL INTERNATIONAL SUR SCIENTIFIC RESEARCHES CONGRESS" DİYARBAKIR/ TÜRKİYE 15-16 JUNE, 2024

A Comparative Study on the Robustness and Imperceptibility of Watermarking Techniques for Medical Image Authentication

"2. BİLSEL INTERNATIONAL KIBYRA SCIENTIFIC RESEARCHES CONGRESS" BURDUR/ TÜRKİYE 20-21 JULY, 2024

A Novel Efficiency-Biased Genetic Algorithm with Stagnation Mechanism for Solving the Multidimensional Knapsack Problem

"2. BİLSEL INTERNATIONAL KIBYRA SCIENTIFIC RESEARCHES CONGRESS" BURDUR/ TÜRKİYE 20-21 JULY, 2024

INVESTIGATING THE FEASIBILITY OF LIGHTWEIGHT 1D CNNs FOR CORROSION DEFECT DETECTION

"4. BİLSEL INTERNATIONAL EFES SCIENTIFIC RESEARCHES AND INNOVATION CONGRESS", İZMİR/TÜRKİYE 27-28 JULY, 2024

OVERCOMING CHALLENGES IN AWE DATASET: A TWOPHASE LEARNING APPROACH FOR EAR RECOGNITION WITH VGG16

"4. BİLSEL INTERNATIONAL EFES SCIENTIFIC RESEARCHES AND INNOVATION CONGRESS", İZMİR/TÜRKİYE 27-28 JULY, 2024

DECIPHERING BABY CRIES: A DEEP LEARNING APPROACH FOR INFANT NEED CLASSIFICATION

"4. BİLSEL INTERNATIONAL SUMELA SCIENTIFIC RESEARCHES CONGRESS", TRABZON/TÜRKİYE 10-11 AUGUST 2024

HIGHLY ACCURATE MEDICAL COST PREDICTION USING DEEP LEARNING MLP-BASED MODELS

"4. BİLSEL INTERNATIONAL SUMELA SCIENTIFIC RESEARCHES CONGRESS", TRABZON/TÜRKİYE 10-11 AUGUST 2024

OVERCOMING THE CHALLENGE OF VEGETABLES AND FRUITS RIPENESS DETECTION USING DEEP LEARNING BASED METHODS

"4. BİLSEL INTERNATIONAL SUMELA SCIENTIFIC RESEARCHES CONGRESS", TRABZON/TÜRKİYE 10-11 AUGUST 2024

DEEP LEARNING FOR HAND GESTURE AND SIGN LANGUAGE RECOGNITION: ENGLISH AND ARABIC ALPHABETS

"4. BİLSEL INTERNATIONAL TRUVA SCIENTIFIC RESEARCHES AND INNOVATION CONGRESS", ÇANAKKALE/TÜRKİYE 17-18 AUGUST, 2024

PRIVACY-PRESERVING DIABETES CLASSIFICATION WITH FEDERATED LEARNING

"4. BİLSEL INTERNATIONAL TRUVA SCIENTIFIC RESEARCHES AND INNOVATION CONGRESS", ÇANAKKALE/TÜRKİYE 17-18 AUGUST, 2024

PROJECTS

AI Projects

Developed various projects, including time series forecasting tools and medical diagnosis systems that leverage machine learning algorithms for accurate predictions. Participated in multiple AI-focused conferences, presenting research and findings on these topics.

Web Development Projects

- **Smart Recycle Website:** Developed a web application that identifies garbage types from images and provides recycling instructions.
- **Algebra Functionality Website:** Contributed to a project offering linear algebra functions with step-by-step solutions.

Design Projects

- **Application Design in Figma:** Designed a bus application interface with an accompanying animation using Adobe After Effects.
 - **Blender Designs (Optional):** Created 3D models of furniture items, showcasing skills in 3D modeling.
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EVENTS & PARTICIPATIONS

Huawei Sub-Saharan Africa LEAP Digital Talent Study Camp

Selected as one of 20 students to participate in a program in Shenzhen, China, focused on advancements in 5G, AI, and Cloud Computing. Engaged in hands-on learning, visited Huawei's headquarters, and exchanged ideas with peers from across Sub-Saharan Africa.

August 17, 2024

Seeds For The Future 2024

Selected as one of 50 students to represent the University of Kasdi Merbah Ouargla in Huawei's program, engaging in workshops with experts focused on cutting-edge technology.

August 24, 2024

3rd Place winner on GAIA Hackathon Act 4

Developed an AI-powered garbage recycling website platform on the LabLab.me platform, showcasing innovative solutions for waste management.

March, 2024

CERTIFICATIONS & COURSES

Honorary Certificate

Awarded for excellence and first place in the Artificial Intelligence class at Faculty of New Information and Communication Technologies, Kasdi Merbah Ouargla.

July 2nd, 2024

Certificate of Excellence

Received a shield of honor from the President of Kasdi Merbah University for achieving first place in the field of Computer Science.

June 26th, 2024

Workshop Certificate

Completed "Write It Right: Key Strategies for Effective Scientific Writing in AI" at FNTIC.

June 8th, 2024

Course Certificate

Completed "Fundamentals of Deep Learning" by NVIDIA, taught by Abdelghani Kabot (Senior AI Research Engineer at Open Innovation AI, NVIDIA DLI Instructor & Ambassador).

Oct, 2022
