RIDWAN IBIDUNNI

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Skills

- Java | Android App Development | Android Studio | Git & GitHub
- Python| Machine Learning | Deep Learning | PyTorch | Tensorflow |
- OOP | Mathematics | Technical Writing | Teaching

Experience

Machine Learning Tutorial Instructor	UM6P	*Rabat, Morocco*	**03/2024 - Current**

- **Developed and delivered** structured **machine learning tutorials** for **master's students**.
- Provided **personalized support** and guidance to facilitate comprehension of **complex concepts.**
- Designed comprehensive **lecture materials, practical exercises, and complementary blog posts** for each tutorial topic to aid students' understanding and reinforcing learning.
- Incorporated **hands-on projects** to enhance **problem-solving skills** in machine learning.

Graduate Research Intern	UM6P	*Rabat, Morocco*	**06/2023 - 09/2023**

- Implemented a computer vision algorithm using **convolutional neural network** techniques.
- Developed and fine-tuned a reliable **face detection model** to achieve precise user identification.
- Demonstrated **real-time functionality of the model**, enabling instant face identification.
- Contributed to the **comprehensive analysis of student engagement patterns** within digital learning contexts.

Research Project Lead	UM6P	*Rabat, Morocco*	**02/2023 - 06/2023**

- Led a semester-long academic project focused on enhancing **Yoruba language learning** through an innovative **mobile app**.
- **Collaborated with a multidisciplinary team of peers**, each contributing expertise in Android app development, Yoruba language, and UX/UX design.
- **Conducted thorough market research** to identify areas for improvement in existing Yoruba language learning apps available on Google Play.
- **Guided the development and implementation** of the enhanced Yoruba language learning app, integrating insights from collective intelligence
- Successfully launched the **"Akomolede" app on Google Play**, amassing a significant user base with over **500 downloads.**
- **Applied academic knowledge to practical scenarios**, contributing to the refinement of language learning experiences.

Projects

FAKE NEWS DETECTION (02/2024)
- Explored **NLP and machine learning** techniques for fake news detection during master's program.
- Developed and compared traditional models and **LSTM-based deep neural networks** for improved accuracy.

UDACITY'S INTRO TO DEEP LEARNING (08/2023)
- Developed an image **style transfer algorithm in PyTorch**, following the methodology outlined in **Gatys et al.'s paper** 'Image Style Transfer Using **Convolutional Neural Networks'** (CVPR 2016). Utilized the 19-layer VGG Network for feature extraction
- Developed a **character-level text generation model in PyTorch using LSTM** based on '**Anna Karenina,**' following **Andrej Karpathy's RNN** blog post and Torch implementation.

GOOGLE'S ANDROID DEV INTERNSHIP (03/2023)
- Developed the **'Quake Report' app,** providing real-time earthquake updates worldwide by accessing the **U.S. Geological Survey (USGS) API,** as part of the Udacity Beginning Android Nanodegree coursework

Education

Master of Science	Mohammed VI Polytechnic Uni (UM6P)	*Rabat, Morocco*	**10/2022-Current**

- Major in Collective Intelligence

Bachelor of Science	Adekunle Ajasin University (AAUA)	*Ondo, Nigeria*	**01/2016-01/2020**

- Major in Mathematics

Certification

- **Andrew NG's Machine Learning Specialization - Deep Learning Specialization - Google's Android Developer Scholarship**