Omer Ebead

+249118912916 | omer@aims.ac.za | LinkedIn | Portfolio | Github

EDUCATION

Stellenbosch University — AIMS South Africa — Cape Town, South Africa
Masters degree in AI for science — *Sep. 2024 – Present*

University of Khartoum — Khartoum, Sudan
Bachlors degree in Electrical and electronic engineering — *Aug. 2016 – May 2021*

EXPERIENCE

Freelancer — Apr. 2023 – Sep. 2024
Software Engineer — *Riyadh, Saudi Arabia*
- Designed and developed user interface, server and database for Customer's Ideas

AmunData — Apr. 2022 – Apr. 2023
Software Engineer — *Khartoum, Sudan*
- Designed and developed user interface, server, database, data preparation, data processing, and data predictions.
- Handle Satellite images, build systems to extract vegetation indexes and build models for predictions .
- Collaborated with data analysis team for data visualization tasks using PowerBi.

OROOMA — Jan. 2021 – Apr. 2022
Software Engineer — *Khartoum, Sudan*
- Design and develop user interface and server for multiple Websites.

PROJECTS

Recommender System | *Python* — Nov 2024
- Build and develop movies recommender system using ALS algorithm

Temporal Analysis of Regional Sustainability Using CNNs and Satellite Data | *Python, Pytorch* — May 2020
- Developed a system to calculate region's biocapacity.

Rewash | *React, Nextjs* — May 2023
- Develop and Design the user interface of a Washing company's Dashboard.

Clinical | *React, Nextjs* — May 2023
- Developed and designed the user interface of an online clinics appointment website in UAE.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS
Frameworks: React, Nextjs, Node.js, Flask, Django, Material-UI
Developer Tools: Git, Docker, AZURE, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib, Pytorch, TensorFlow, Keras, JAX

SOFT SKILLS

Languages: English : IELTS 7.0
Programs: Hasso Plattner d-school Afrika - Design Thinking , McKinsey Forward Program - Leadership

REFERENCES

Academic and Professional references are available upon request.