

AHMED ALMAHADY

Software Engineer ~ Developer

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SUMMARY

Software engineer. I'm passionate about new technologies, Adept at collaborating with dynamic teams to build high-quality websites and identify opportunities to enhance the user experience, and always curious to learn more!

SKILLS

Languages: HTML, CSS, JavaScript, Python, SQL, Java.

Technologies: React.js, Express.js, Node.js, jQuery, Django, PyTorch, Excel, Tableau.

Concepts: Operating System, Networks, Encryption, Decryption, Artificial Intelligence, Machine Learning, Neural Networks, scrum Methodology.

Version Control: Git .

EDUCATION

2023	Bachelor's degree in Electrical and Electronic engineering Obtained a Bachelor of Science - Honours- in Electrical and Electronic engineering - Software engineering of electronic systems with first class grade.	University of Khartoum
2023	Creative Economy e-Learning Program Completed an extensive Program developed through a collaboration between Microsoft and the British Council, and was delivered by the Entrepreneurship Centre at the School of Management Studies, University of Khartoum.	University of Khartoum
2022	Bootcamp Web Development	The App brewery
2022	Deep Learning specialization	Coursera
2022	Creative short courses (Web design & Data Analysis)	Udemy

EXPERIENCE

2021	Intern Data Analyst • I contributed to agricultural research as a data analyst, focusing on correlation analysis to assess and monitor crop yield. • My role involved visualizing data & utilizing statistical methods to examine the relationships between various agricultural factors and crop productivity. Python / Excel	Ministry of Agriculture
2023- current	Freelance Web developer • Built Websites & Landing pages for a diverse clientele, including an advertising agency .My work incorporated responsive design methodologies and user-friendly interfaces. React / Node.js	Freelance

PROJECTS

Python, Fairseq, Huggingface	Arabic-Swahili Neural Machine Translation In my graduation project, in the field of NLP, with my co-worker we assessed the Arabic-Swahili neural machine translation situation. Constructed from scratch the largest open-source parallel corpora for translation tasks, then Created baseline encoder-decoder transformer models utilizing fairseq and fine-tuned two existing translation models on our data, followed by extensive results & performance comparison.	Graduation Project
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React.js, MongoDB, Express.js	AI Image Generation Website The website leverages the OpenAI API for AI-based image generation. Users interact with the system by providing prompts, the generated images are then made accessible for users to share within the platform's community.	Demo
React.js, SQL, Express.js	Blog project Basic Login, Register functionality Users can post blogs.	
Python, Excel	Seasonal Agriculture Data Analysis Systematic analysis & Visualization of seasonal data, facilitated informed policymaking.	

PUBLICATIONS & AWARDS

- Co-author : International Conference for Learning Representations **ICLR 2023** , published a paper with the title 'Machine Translation Baseline for Arabic-Swahili' .
- Best Graduation project- university of Khartoum.

LANGUAGES

English , Arabic - native