Saddam Ahmed

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📍 **Home:** (United Arab Emirates)

ABOUT ME

AI Systems Development Engineer with over 7 years of experience in the technology industry. Skilled in scalable, high-performance computing and distributed algorithms, with a passion for solving complex problems. Proficient in a variety of programming languages and technologies.
As I'm a researcher to develop intelligent Applications that help us learn, analyze, and anticipate future events. I am looking to create machines and models with logical capabilities similar to the human brain that improve performance and efficiency and make decisions to reduce costs and increase profits.

WORK EXPERIENCE

Freelancer
[2017 – Current]

Integrate AI Trained Model with Mobile App and Web App

AI Systems Development Engineer
Klix Design [07/2018 – Current]

City: Dubai
Country: United Arab Emirates

• Research and evaluate new AI/ML techniques and tools.
• Present findings and recommendations to stakeholders.
• Develop, train, and deploy state-of-the-art diffusion and generative AI models for Forecasting\ Image\ Video\ Data processing and synthesis.
• Own delivery by designing and developing data models and tech systems (backend\ frontend) to take ideas towards real life success.
• Build and deploy scalable AI/ML systems in production environments.

Machine Learning Engineer
Dar ICT Co. LTD [01/2015 – 05/2018]

City: Khartoum
Country: Sudan

Data to Model
• Create data pipelines and preprocess data from diverse sources (text, imaging, genomics, HER, etc.) to make it ready for model training. Monitor data quality through the process.
• Build scalable and efficient ML pipelines powered by GPUs.
• Implement a comprehensive model evaluation mechanism to measure and enhance model performance for superior metrics.
Model Enhancement and System Augmentation
• Augment capabilities of the foundation model using agent-based tooling such as LangChain and LlamaIndex.
• Implement high-performant vector databases, knowledge graphs, reasoning engines, and other similar components to augment the capabilities of a foundation model.
Deployment, Testing, and Prototyping
• Deploy the AI models in a highly available and scalable manner.

• Create model APIs for the software developers to consume in their applications.
• Implement A/B testing mechanisms.
• Implement guards against unintended inputs or unsupported usage of the system.
• Prototype and present demo-ready AI solutions to various stakeholders.)

EDUCATION

Sudan University of Science and Technology

[09/2009 – 11/2014]

Bachelor's degree in Electrical and Electronic Engineering

SKILLS

Technical skills

- Database
- Structured and unstructured Data
- Data Engineering
- Training Model
- Distributed Systems, Docker
- Kubernetes, Kafka/RabbitMQ, CI/CD, AWS/GCP
- Python Django/Vue Js, TensorFlow/Keras/Pytorch

Personal Skills

- Thinking Skills
- Communications Skills
- Quick learner and passion for knowledge
- Time management skills
- Ability to work independently and as part of a teams
- Decision maker

LANGUAGE SKILLS

Mother tongue(s): **Arabic**

Other language(s): **English**

PROJECTS

Portfolio chatbot

[2021]

Design and train the NLP Model using nltk and PyTorch framework, also using Flask to implement

Diabetes Classifications using Deep Learning

[2022]

- Data preprocessing
- Training the Model
- Testing the model
- Evaluate the model