

# AHMED SHEIKH

Nairobi, Kenya  
(+254) 114529577  
[ashiekh295@gmail.com](mailto:ashiekh295@gmail.com)  
[GitHub](#) | [Website](#)

*Machine Learning Engineer and AI researcher with hands-on experience in academic research, app development, and data analytics. Skilled in NLP, computer vision, and deep learning. Freelance contributor to multiple projects and builder of practical user-focused AI solutions.*

## EXPERIENCE

### Machine Learning & AI Engineer (Freelance /Remote)

Multiple Academic Institutions

Nairobi, Kenya

August 2021–Present

- Devised MoodReads, an AI-driven book recommender using a BiLSTM–SelfAttention deep learning model (69% accuracy) to map emotional text to book vectors. Research ongoing, with a paper in progress. [Experiment Link](#).
- Developed a deep learning model (Transformer + BiGRU) trained on the LIAR and ISOT datasets to detect fake news. The system performs NLP preprocessing (tokenization, padding, embeddings) and classifies news as FAKE or REAL with 89% accuracy. [Experiment Link](#)
- Devised and implemented an English Accent Classifier that extracts audio from video URLs and classifies accents as UK, US, Australian, or New Zealand using the SpeechBrain ECAPA model. The project is currently under development, with promising primary result. [Experiment Link](#)
- Led advanced research in Arabic handwritten document analysis, applying computer vision methods—specifically region-based segmentation for diacritics, which resulted in a peer-reviewed publication: [IJECE 2020](#).

### Data Analyst (Full-Time)

Abdulaziz Al-Sorayai Investment Company (ASIC), ICT Department

Jeddah, Saudi Arabia

June 2019 – July 2021

- Collaborated with the HR department to create SQL-based reports using MariaDB and Power BI, developing weekly dashboards that streamlined reporting and supported data-driven decisions on workforce planning and performance.

### Software Developer (Full-Time)

UTeM, Faculty of Information and Communication Technology,  
Biomedical Computing and Engineering Technologies Applied Research  
Groups (Biocore Laboratory)

Malaysia, Melaka

September 2016 – August 2017

- Developed a comprehensive healthcare information system for UTeM university clinics, later adapted for deployment at Hospital Kuala Lumpur. Led backend and server-side development using JSP and Java, ensuring high system availability and efficient management of large-scale student health records and clinic operations.

## EDUCATION

### Universiti Teknikal Malaysia Melaka

M.Sc. in Computer Science (Software Engineering and Intelligent)

Malaysia, Melaka

February 2018 – February 2019

### Universiti Teknikal Malaysia Melaka

B.Sc. in Computer Science (Database Management)

Malaysia, Melaka

September 2013 – November 2017

## PROJECTS

---

I designed and developed an interactive math learning web app to help primary school children master basic math such as addition, subtraction, multiplication, and division—through a simple, gamified experience. I integrated quizzes, slides, performance summaries, and feedback features using Next.js and the Gemini API for real-time inference. The first version is live, and I’m actively working on new features and future enhancements. [App Link](#)

I built an HR resume analyzer using Next.js and the Gemini API to identify candidate strengths and weaknesses, generate tailored interview questions, and export PDF summaries. I enabled faster and more effective shortlisting through interactive visualizations. [App Link](#)

## ADDITIONAL SKILLS

---

- **Languages:** Python, Java, JavaScript, C++, C#, PHP
- **Frameworks:** PyTorch, TensorFlow, Scikit-learn, Node.js, Laravel, Vue.js, React.js, Next.js, Laravel
- **Tools & Platforms:** Streamlit, Docker, Git, Firebase, Hugging Face, AWS, Power BI, Tableau
- **Databases:** MYSQL, ORACLE, PostgreSQL, Firebase, MongoDB, AWS Cloud
- **Machine Learning Models:** Transformer, CNN, LSTM

## LANGUAGES

---

Arabic, English, Somali, Malay, Swahili

## AWARDS AND HONNORS

---

<b>AUG 2016</b>	Nominated as an outstanding final year project in bachelor’s degree
-----------------	---

## CERTIFICATES

---

Introduction to Oracle 9i (2018)