

Yusuf Ibrahim

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Skills

Languages:

- Programming: Python (NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch), R (Tidyverse, Caret), SQL
- Web Development: HTML, CSS, JavaScript (ReactJS, Angular)

Technologies & Tools:

- Cloud & DevOps: AWS (EC2, S3, Lambda), Docker.
- Data Visualization: Tableau, Power BI
- Machine Learning & AI: TensorFlow, PyTorch, Scikit-learn, Keras, Jupyter Notebooks, OpenCV
- Monitoring & Logging: Splunk
- Version Control & CI/CD: Git, GitHub/GitLab

Soft skills:

- Leadership & Teamwork | Problem-Solving | Communication & Presentation | Project Management | Critical Thinking | Adaptability

Work Experience

Albukhary International University

Student Ambassador

Feb 2024 - Jan 2025

- Organized cultural, academic, and social events to enhance student engagement, foster collaboration, and build a stronger campus community.
- Worked with university staff and sponsors to secure funding and supporting student-led initiatives and activities.
- Coordinated the university's Hult Prize competition, guiding students in developing and pitching innovative startup ideas.

Instream Consultancy Hargeisa

Web development Intern (Remote)

July 2023- Jan 2024

- Developed and maintained responsive web applications using HTML, CSS, and JavaScript (ReactJS, Angular), ensuring seamless user experiences across devices.
- Collaborated with cross-functional teams to design and implement new features, improving website functionality and user engagement by 20%.
- Optimized website performance by reducing page load times by 30% through code refactoring and efficient asset management.

Education

Albukhary International University, Malaysia

February 2023 - Present

Bachelor Of Science In Computer Science(Data Science Specialisation)

CGPA: 3.71/4 .0

Relevant Coursework: Machine Learning, Deep Learning, Statistical Programming, Object-Oriented Programming (OOP), Data Structures and Algorithms (DSA), Operating Systems (OS), Natural Language Processing (NLP), Information Visualization, Database Management Systems, Big Data Analytics, Probability and Statistics.

Project Work

- **AIU Admission Automation System (Final Year Project, 2025):** Developed a deep neural network with 97% accuracy to predict student admission likelihood. Integrated with the AIU admission system using Django REST Framework (DRF) for real-time web-based predictions, reducing manual workforce requirements by 75% and improving efficiency.
- **Hand Sign Detection and Classification (2025)** Developed and deployed a system using MediaPipe and a neural network to detect and classify hand signs, translating them into normal English text. The model accurately recognizes gestures such as "hello," "thank you," and "I love you," improving communication accessibility for people with hearing impairments.
- **Smart Attendance System using face recognition (2024):** Designed a face recognition system using OpenCV and FaceNet to automate attendance tracking. Integrated with Flask and deployed on AWS, it ensured accurate, secure, and efficient attendance management.
- **Recyclable Waste Classifier (2024):** Developed a machine learning model using OpenCV and deep learning techniques to classify recyclable materials (e.g., plastics) from non-recyclable waste. The project was part of Albukhary International University's 3Zero Initiative (Zero Poverty, Zero Unemployment, Zero Net Carbon Emission) under the Zero Net Carbon Emission Cluster. Implemented image preprocessing and convolutional neural networks (CNNs) to achieve 90% classification accuracy, contributing to sustainable waste management solutions.
- **Sales Prediction Model (2023):** Built and deployed a machine learning model to predict sales using Python (Pandas, Scikit-learn, XGBoost). Performed data preprocessing, feature engineering, and hyperparameter tuning to achieve 91% accuracy. Integrated the model into a Flask-based REST API for real-time predictions, enabling businesses to forecast demand and optimize inventory management

Certifications

- Google Data Analytics Professional Certificate | Google (Coursera)
- IBM Data Science Professional Certificate | IBM (Coursera)
- Machine Learning Specialization | Stanford University (Andrew Ng, DeepLearning.ai)
- IBM Machine Learning Professional Certificate | IBM (Coursera)
- AWS Academy Machine Learning Foundation | AWS
- Applied Plotting, Charting, and Data Representation in Python | University of Michigan (Coursera)

Awards and Honours

- Yasan Foundation Scholarship Program | Albukhary International University | February 2023 – Present:
Awarded to support my undergraduate studies, recognizing outstanding academic performance and dedication to community service.
- Dean's List Award (All 6 Semesters) | Albukhary International University | 2023- Present
- Best Project Award (Recyclable Waste Classifier) | AIU 3Zero Initiative | 2024
- Top 10% in Zindi Machine Learning African Credit Card Scoring Competition | Out of 1,900 Participants | 2025

Languages

- English: Fluent
- Arabic: Proficient
- Somali: Native
- Malay: Beginner