

# ASHRAF MOHAMMED HASSAN

Software Engineer

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<https://github.com/Habib-Ashraf-Hassan>

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[https://habib-ashraf-hassan.github.io/Ashraf\\_portfolio/](https://habib-ashraf-hassan.github.io/Ashraf_portfolio/)

## Education

Jomo Kenyatta University of Agriculture and Technology

Kiambu, Kenya

Computer Science Bachelor's Degree

September 2021 - December 2025

First class honors

Mewa Vocational training center

Mombasa, Kenya

Computer Applications Certificate

June 2021 - August 2021

GPA: Distinction

Memon Academy High

Mombasa, Kenya

Secondary Education KCSE

January 2017 - February 2021

Percentage: 81 A%

## Experience

Mombasa Maize Millers | IT attachee

Mombasa, Kenya | June- October 2025

Supported enterprise IT systems and day-to-day ICT operations within a corporate manufacturing environment. Assisted with system maintenance, hardware and software troubleshooting, data handling, and cross-departmental user support.

JHUB Africa | Software engineer Attachee

Kiambu, Kenya | May 2024 - August 2024

Did my external attachment here, while gaining the necessary industrial skills needed, we worked on building a student freelancer platform, see more details at: <https://kazikazini.jhubafrica.com/>

J.K.U.A.T| Internal Attachee

Kiambu, Kenya | May 2023 - July 2023

Engaged in an internal attachment within the university, gaining exposure to various facets of computer science. Collaborated with peers to develop a comprehensive School Management System tailored for a Madrassah. Contributed to the analysis, design and development phases of the project, ensuring functionality and user-friendliness.

## Skills

Programming Languages: Python, PHP, SQL, Java, HTML, CSS, JavaScript, bash

Libraries/Frameworks: Matplotlib, Pandas, Numpy, Bootstrap, React, Next, Tailwind, Scikitlearn, Pillow, mongoose, Flask, Scikit-learn, huggingface

Tools / Platforms: My SQL workbench, PHPmyadmin, Git, Slack, draw.io, Excel, Access, TesseractOCR, Figma, VS code, GitHub, Render, Microsoft Azure, Ms Word, Google Colab

Databases: MySQL, MongoDB

## Main Projects

### CandidAI | Open Source

Tailwind CSS, Next.js, React.js, MongoDB

Implementation of my Final year CS project: An AI resume screening app, that utilizes NLP, ML and powerful LLMs like OpenAI and Ollama to parse resumes then score and rank the candidates applied to a HR's Job post according to their weights set by the HR for that particular job post thus streamlining the recruitment process

Where the codebase for implementing the UI and Database integration is at

<https://github.com/Habib-Ashraf-Hassan/candid-ai-app> while module that parses and extracts the relevant details from the Resume is at: <https://github.com/CandidAI-ResumeScreening/Resume-Parser-Module> the models used to build the Resume Parser module are at:

<https://github.com/CandidAI-ResumeScreening/NLP-module>

## **HustleHub | Open Source**

HTML, CSS, Bootstrap CSS, JavaScript, PHP, SQL

A web-based platform developed to centralize access to skilled laborers in Juja, including electricians, plumbers, carpenters, cleaners, and laptop technicians. The system enables residents to easily discover and contact service providers from a single application, while offering skilled workers a digital platform to market and advertise their services. Developed collaboratively as a team project. Project repository: <https://github.com/NelsonMungai1/HUSTEHUB>

## **Kazi Kazini | Close Source**

Next.js, Tailwind CSS, React.js, Django

A student-focused freelance platform that bridges employers with university students and recent graduates. Streamlines hiring by improving talent visibility, reducing recruitment effort, and enabling skill development and income generation through projects and gigs.

Project can be seen in JHUB Africa platform at: <https://kazikazini.jhubafrica.com/>

## **NSE-stock-regression | Open Source**

Python, Streamlit, Scikit-learn

Model built to predict Stock prices from NSE (Nairobi Stock exchange) using machine learning and deployed using streamlit. Model built available at: <https://github.com/Habib-Ashraf-Hassan/NSE-stock-regression> while the interface deployed at: <https://nse-stock-regressionooappbyashraf.streamlit.app/>

## **Certifications**

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- Microsoft Azure Fundamentals - Microsoft
- Alteryx Foundational Micro-Credential - Alteryx
- Machine Learning Fundamentals Micro-Credential - Alteryx
- Alteryx Designer Core Certification - Alteryx
- Backend Web development with Node.js - Devtown
- Problem Solving skills - HackerRank
- SQL - HackerRank
- Python programming – HackerRank

## **References**

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### **1. Dr.Rimiru**

University Lecturer & Final Project Supervisor

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University Lecturer

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