HEZRON PAIPAI

Email: hezronpaipai606@gmail.com
Location: Open to Remote Work
Phone: [Optional]
Portfolio: [Add Link]
GitHub: [Add Link]

PROFILE SUMMARY

Innovative and results-oriented Software Engineer with experience in full-stack development, artificial intelligence, and computer vision. Skilled in building scalable applications using modern technologies and frameworks. Passionate about solving real-world problems with code, and committed to continuous learning and improvement.

EXPERIENCE

Remote Software Engineer — Contract | Remote
2022 – Present

- Developed scalable web applications using React, Node.js, TypeScript, and MongoDB
- Implemented clean UI components and responsive design
- Worked with remote teams and managed project timelines in Agile sprints

AI Research Intern — Intelinova Institute Lab
2022 – Present

- Trained AI/ML models for healthcare diagnostics using TensorFlow and PyTorch
- Built data pipelines and managed large healthcare datasets
- Authored reports and assisted in publishing technical research

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EDUCATION

Bachelor of Science in Computer Software Engineering
University of Eastern Africa, Baraton (UEAB)
2020 – 2024

- Specialized in AI, Web Development, Software Design

CERTIFICATIONS

- Microsoft Azure AI Fundamentals

- Kaggle Advanced AI and Deep Learning

- IBM Python for Data Science

- FreeCodeCamp Full Stack Web Development

- Coursera AI for Everyone – Andrew Ng

PROJECTS

Brain Tumor Detection AI

- Designed and trained a CNN to detect brain tumors from MRI scans

- Used TensorFlow, Flask, and OpenCV for deployment

AI Malware Detection System

- Built a supervised ML model to identify malicious URLs

- Applied Scikit-learn, Python, and Pandas

Sign Language to Speech Converter

- Converted Kenyan Sign Language to text and speech

- Implemented using OpenCV and MediaPipe

Face Recognition App

- Built a real-time face recognition app

- Leveraged Python, dlib, and OpenCV

Stroke Risk Predictor

- Created a model to assess stroke probability from patient data

- Deployed via Flask and hosted on Heroku

AgentZero AI

- Developed a reinforcement learning-based decision-making agent

- Tested in simulated environments

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, HTML, CSS, SQL
Frameworks: React, Node.js, Express, Flask
Libraries: TensorFlow, PyTorch, OpenCV, Scikit-learn, Pandas
Databases: MongoDB, MySQL

Tools: Git, Docker, Postman, VS Code
Expertise: Machine Learning, Full Stack Development, REST APIs, Computer Vision

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ACHIEVEMENTS

- Finalist in multiple local hackathons

- Received Academic Excellence Awards for 3 consecutive years

- Published projects in university technology journal

ADDITIONAL DETAILS

Languages Spoken: English, Swahili
Work Preference: Remote or Relocation
Availability: Immediately

HOBBIES AND INTERESTS

Exploring cutting-edge AI technologies, participating in hackathons, writing technical blogs, and contributing to open-source development.