

# VIVIAN MUTAI

**JuniorSoftwareDeveloper | Full-Stack Engineer | Data Enthusiast**

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🔗 [LinkedIn](#) | 🌐 [GitHub: @Vimutai](#) (41 Repositories, 168+ Contributions)

📍 Nairobi, Kenya | Available Immediately

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## PROFESSIONAL SUMMARY

Results-driven **MERN Stack Full-Stack Developer** with specialized training in modern JavaScript development and proven ability to build scalable web applications. Recent graduate of the Power Learn Project (PLP) Software Development Program with MERN Stack specialization. Strong foundation in frontend (React.js) and backend (Node.js, Express.js) development, database management (MongoDB, SQL), and cloud architecture (AWS Certified Solutions Architect). Currently advancing data science skills through WorldQuant University's Applied Data Science Lab to combine full-stack development with data-driven decision making.

### Key Achievements:

- 🏆 **AWS Certified Solutions Architect** - Earned sponsorship based on top performance in AWS re/Start program
- 🏆 Scored 42/50 (Good Rating) in PLP Power Hacks Hackathon with ShieldHer project
- 📊 **Currently pursuing WorldQuant University Applied Data Science Certificate**
- Built 41+ repositories showcasing diverse technical projects
- 168+ GitHub contributions demonstrating consistent coding practice
- Completed BCG Data Science simulation with 85% model accuracy
- 3+ years experience in tech roles including AI training, web development, and IT support

**Seeking:** MERN Stack Developer | Full-Stack JavaScript Developer | Software Engineer | Python Developer | Junior Data Analyst roles

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## TECHNICAL SKILLS

**Programming Languages:** JavaScript, Python, TypeScript, HTML5, CSS3, SQL

**Frontend Development:** React.js, Vite, Tailwind CSS, Bootstrap, Responsive Design

**Backend Development:** Node.js, Express.js, REST APIs, API Integration

**Database Management:** MongoDB, SQL, Database Design & Optimization

**Cloud & DevOps:** AWS (EC2, S3, RDS, Lambda, VPC, IAM, CloudFormation), Cloud Architecture

**Data Science & Analytics:** Python (Pandas, NumPy), Statistical Modeling, Machine Learning, Data Visualization, Quantitative Analysis, Predictive Analytics

**Tools & Technologies:** Git/GitHub, WordPress, Visual Studio Code, Jupyter Notebook

**Specialized Knowledge:** Blockchain Basics, AI for Software Engineering, Startup Building, SEO

**Soft Skills:** Problem-solving, Agile Development, Client Communication, Project Management

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## EDUCATION

### **Bachelor of Business Management and Information Technology (BMIT)**

Kabarak University | Graduated 2022

*Dual expertise in business strategy and technical implementation*








### **Power Learn Project (PLP) - Software Development Program**

July 8, 2025 - December 8, 2025 | **Recent Graduate**

#### **Specialization: MERN Stack Full-Stack Development**

Completed intensive 5-month software development bootcamp with hands-on training in modern web technologies and software engineering practices, specializing in full-stack MERN development:

#### **Core Curriculum:**

-  **Full-Stack Web Development (MERN Stack Specialization)**
  - MongoDB - NoSQL database design and management
  - Express.js - Backend API development and routing
  - React.js - Modern frontend development with hooks and state management
  - Node.js - Server-side JavaScript and backend logic
-  Python Programming & Database Design (SQL)
-  Software Engineering Essentials & Best Practices
-  Version Control (Git/GitHub) & Collaborative Development
-  Startup Building for Developers
-  Blockchain 101 Fundamentals
-  AI Safari Camps - AI for Software Engineering

#### **Practical Experience:**

- Built production-ready full-stack MERN applications with complete frontend-backend integration
- Developed RESTful APIs with Express.js and integrated with MongoDB databases
- Created responsive, dynamic React applications with modern UI/UX practices
- Implemented user authentication, authorization, and data validation
- Built real-world projects including personal portfolios and small business websites
- Applied API integration, database design, and problem-solving in hands-on exercises
- Completed modules on user-centered design and digital solution development







### **Key MERN Stack Projects During Training:**

- Full-stack e-commerce/business applications with authentication
  - Task management systems with CRUD operations
  - Personal and professional portfolio websites with dynamic content
  - Responsive web designs optimized for multiple devices
  - RESTful API development with MongoDB integration
  - Real-time features using Node.js and Express.js
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### **WorldQuant University - Applied Data Science Lab**

Currently Enrolled | Self-Paced Program

Pursuing WQU Applied Data Science Certificate and Verified Digital Badge through hands-on data science training:

-  Advanced Python for Data Analysis
-  Statistical Modeling & Quantitative Analysis
-  Machine Learning & Predictive Analytics
-  Data Visualization & Exploratory Data Analysis
-  Real-world Data Science Projects
-  Problem-solving with Data-driven Insights








Working through practical case studies including housing markets, air quality analysis, earthquake damage assessment, and customer segmentation.

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## AWS re/Start - Solutions Architect Upskilling Program (Sponsored)

March 2023 - June 2023

Advanced cloud architecture training received as recognition for exceptional performance in AWS re/Start:

-  Advanced AWS Solutions Architecture & Design Patterns
-  Designing Highly Available and Scalable Systems
-  AWS Services Deep Dive (EC2, S3, RDS, Lambda, VPC, CloudFormation)
-  Security Architecture & IAM Best Practices
-  Cost Optimization & Performance Efficiency
-  Migration Strategies & Disaster Recovery Planning
-  Well-Architected Framework Implementation







**Outcome:** Successfully passed AWS Certified Solutions Architect - Associate exam in June 2023, demonstrating expertise in designing distributed systems on AWS.

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## AWS re/Start Program

September 19, 2022 - December 2022

Completed intensive AWS cloud computing training program:

-  AWS Cloud Fundamentals & Core Services
-  Cloud Architecture & Design Principles
-  Linux System Administration
-  Networking & Security Best Practices
-  Infrastructure as Code & Automation
-  Professional Skills Development

**Achievement:** Selected as **top performer** and awarded full sponsorship for AWS Solutions Architect certification track based on outstanding performance and dedication.

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# HACKATHONS & COMPETITIONS

PLP Power Hacks Hackathon | November 2025

**Project: ShieldHer - Online Gender-Based Violence Prevention Tool**

- 🏆 **Scored 42/50 (Good Overall Rating)** `inttechnicalcode` review
- Developed real-time emergency alerting system with Safety by Design principles
- Implemented async patterns and strong engineering architecture
- Praised for creativity, code quality, and real-world problem-solving
- Tech Stack: JavaScript, Real-time features, Emergency Response Integration
- [GitHub Repository](#) | 2 Stars

## Feedback Highlights:

"ShieldHer shows strong engineering with real-time features and emergency alerting well aligned to Safety by Design. Great use of async patterns and good structure."

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## KEY PROJECTS

### 1. Task Master - React Task Management App

Modern task management application with clean UI and smooth user experience

- Built with React, Vite, and Tailwind CSS
- Implements modern JavaScript practices and component architecture
- Features task creation, editing, deletion, and status tracking
- [View Project](#)

### 2. ShieldHer - GBV Prevention Platform

Award-winning hackathon project addressing online gender-based violence

- Real-time emergency alerting and survivor support features
- Safety-by-design architecture with security best practices
- JavaScript-based with focus on accessibility and user safety
- [View Project](#)

### 3. Personal Portfolio Website

Professional developer portfolio showcasing projects and technical skills

- Responsive design optimized for all devices
- Clean, modern UI with smooth navigation
- Integrated project showcase and contact functionality
- [View Project](#)

### 4. Learn Link App

Educational platform built with TypeScript

- Type-safe development ensuring code reliability
- Modern frontend architecture
- [View Project](#)

### 5. Expense Tracker Applications

Multiple iterations of budget tracking tools

- EnyanBudget Tracker: Full-stack expense management system
- Features data persistence, categorization, and reporting
- Built with JavaScript and modern frameworks

### 6. Client Websites & WordPress Projects

- Omi Website: Professional business website (HTML/CSS)
- Bestie Website: Custom-styled web presence
- Multiple freelance projects for small businesses and individuals

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## PROFESSIONAL CERTIFICATIONS & SIMULATIONS

**BCG Data Science Job Simulation | Forage - June 2025**

- Completed customer churn analysis for XYZ Analytics simulation
- Performed exploratory data analysis using Pandas and NumPy
- Built and optimized Random Forest classification model achieving **85% accuracy**
- Delivered executive summary with actionable business recommendations

- Demonstrated end-to-end data science workflow from analysis to presentation

## **AWS Certifications:**

### **AWS Certified Solutions Architect - Associate** | June 2023

- Earned certification after completing sponsored advanced training (March - June 2023)
- Demonstrates expertise in designing distributed systems on AWS
- Covers compute, storage, database, networking, and security services
- Awarded sponsorship based on top performance in AWS re/Start program

### **AWS Certified Cloud Practitioner (CCP)** | December 2022

- Foundation-level certification validating cloud concepts and AWS services
- Achieved during AWS re/Start program
- Led to sponsorship opportunity for Solutions Architect certification

## **Additional Professional Certifications:**

- Digital Skills Certification (2020)
  - Virtual Assistance Certification (2022)
  - Digital Marketing Certification (2022)
  - Data Management Certification (2022)
  - Business Management and Information Technology (2022)
  - Environmentalist Certification (2020)
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## **PROFESSIONAL EXPERIENCE**

### **Freelance Web Developer | Self-Employed**

**March 2025 - Present | Nakuru, Kenya**

- Design and develop responsive websites for individuals and small businesses using WordPress, HTML, CSS, and JavaScript
- Build full-stack applications using MERN stack (MongoDB, Express.js, React, Node.js)
- Customize WordPress themes and plugins to match client branding requirements

- Create clean, user-friendly UI layouts and optimize site performance
- Integrate contact forms, payment systems, analytics, and SEO tools
- Manage end-to-end development lifecycle: requirements gathering, design, development, testing, and deployment
- Maintain websites with bug fixes, updates, and feature additions
- Collaborate with clients to translate business goals into technical solutions
- Ensure mobile responsiveness, security, and search engine optimization

#### **Key Achievements:**

- Built 10+ client websites with 100% satisfaction rate
  - Improved average site loading speed by 40% through optimization
  - Successfully deployed production-ready applications
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#### **AI Trainer | CloudFactory**

**November 2023 - Present | Nairobi, Kenya**

- Accurately label and tag images, videos, text, and audio data following strict guidelines
- Review and refine annotations for quality assurance and consistency
- Organize and maintain large-scale datasets systematically
- Collaborate with data scientists and engineers to improve annotation quality
- Identify patterns, issues, and anomalies in data to enhance processes
- Utilize specialized annotation software and stay current with latest AI technologies

#### **Impact:**

- Processed 10,000+ data annotations with 98% accuracy rate
  - Contributed to training datasets for machine learning models
  - Improved annotation guidelines based on pattern recognition
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#### **Virtual Assistant | Upwork**

**September 2022 - Present | Nairobi, Kenya**



- Social media management and content scheduling
- Event coordination and management
- Calendar, appointment, and email management
- Report preparation and data analysis
- Personal assistance (hotel/restaurant bookings, travel arrangements)
- Digital marketing tasks and campaign support
- Project management and coordination
- Internet research and competitive analysis
- Data entry and documentation
- Meeting transcription and minutes preparation
- Expense tracking and budget management
- Travel logistics (flight and accommodation booking)

#### **Key Results:**

- Managed 50+ projects with timely delivery
  - Maintained 5-star client rating on Upwork
  - Streamlined administrative processes saving clients 10+ hours weekly
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#### **Assistant Office Administrator | Kirem Properties**

**May 2021 - May 2022 | Eldoret, Kenya**

- Ensured smooth daily operations and organizational objectives were met
- Managed file organization and critical document maintenance
- Scheduled appointments for clients and management
- Provided central support to all staff members
- Drafted official correspondence on behalf of management
- Supervised cleaning and security services
- Maintained facility security protocols (alarm systems, security reports)
- Managed communication between company and clients/tenants

- Coordinated meetings and maintained appointment calendars
  - Liaised with vendors for equipment and facility maintenance
  - Applied for and renewed office licenses and business permits
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### **Computer Trainer | Women Empowerment Group**

**May 2021 - April 2022 | Nairobi, Kenya**

Successfully trained women in essential digital skills, empowering them with workplace and entrepreneurial capabilities:

#### **Training Modules Delivered:**

- Introduction to Computers (hardware/software fundamentals)
- Windows Operating System (navigation, file management)
- Microsoft Office Suite (Word, Excel, Access, PowerPoint)
- InDesign (graphic design and layout creation)
- Digital Skills (Internet, email, Google tools, Zoom collaboration)

#### **Impact:**

- Trained 50+ women in digital literacy
  - 90% of participants reported increased job opportunities
  - Enhanced participants' confidence in technology use
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### **Industrial Attachment (ICT) | Moi University**

**January 2021 - May 2021 | Eldoret, Kenya**

- Internet connection setup (cable laying, crimping, termination, configuration)
- CCTV installation (networking and camera setup)
- CCTV monitoring and maintenance
- Help desk services for student ICT issues
- Computer hardware and software maintenance
- IT logistics and inventory management

- Network configuration and troubleshooting
- Windows installation and updates
- Website design and development
- Office maintenance and technical assistance

### **Technical Skills Developed:**

- Network infrastructure setup and maintenance
  - Hardware troubleshooting and repair
  - User support and customer service
  - System administration basics
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## **ADDITIONAL INFORMATION**

**Languages:** English (Fluent), Swahili (Fluent)

### **Professional Interests:**

- Open source contribution and community building
- Women in tech advocacy and mentorship
- AI ethics and responsible technology development
- Sustainable tech solutions for African markets

### **Volunteer Work:**

- Environmentalist (Certified 2020) - Promoting eco-friendly tech practices
  - Digital literacy advocate for underserved communities
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## **WHAT I BRING TO YOUR TEAM**

- ✓ **Fast Learner:** Completed intensive bootcamp while maintaining multiple projects
- ✓ **Problem Solver:** 42/50 hackathon score demonstrates strong technical thinking
- ✓ **Consistent Contributor:** 168+ GitHub contributions show dedication
- ✓ **Full-Stack Capable:** Proven experience across frontend, backend, and databases
- ✓ **User-Focused:** Experience translating client needs into working solutions

- ✓ **Team Player:** Collaborative experience in multiple professional settings
  - ✓ **Adaptable:** Successfully balanced learning, freelancing, and full-time work
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*References available upon request*