

IVYMITCHELLE WANGARI GATHINGI

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PROFILE

An accomplished developer and data professional with an ongoing Data Science certification from Udemy. Experienced in a wide range of programming languages and tools, including SQL, Python, Excel, Tableau, JavaScript, React.js, Node.js/Express, MongoDB, C, C#, VB, Java, and C++. Proficient in full-stack web development and skilled in various aspects of data analysis, including data exploration, preparation, cleaning, and visualization. Recognized for clear communication and the ability to present complex findings in an articulate manner. Motivated to collaborate within a team environment, aiming to leverage technical expertise to drive data-driven decision-making and contribute to business growth.

EDUCATION Jomo Kenyatta University of Agriculture and Technology

BSc. Information Technology

Sep 2020 - 2024

- Relevant coursework: Object-Oriented Programming in C++, System Analysis and Design, Database Management Systems, Data Structures and Algorithms using C, Artificial Intelligence

FreeCodeCamp Academy

Full Stack Software Development

July 2022 - Jan 2023

- Developed a range of applications from single-page web apps to complex full-stack solutions using HTML, CSS, SASS, JavaScript, React, Redux, Node.js/Express, and MongoDB.
- Gained experience in remote pair programming with GitHub, following industry-standard git workflows, and participating in daily stand-ups to enhance communication and collaboration skills with remote development teams.

Udemy

Data Science Certification

June 2024 - Now

- Acquired and applied data science skills, completing hands-on projects that demonstrated proficiency in data analysis, visualization, and interpretation using Python, pandas, and related data science libraries.

WORK EXPERIENCE

Itinga Technologies

Front End Developer, Volunteer

Feb 2022- June2022

- Designed and developed contemporary commercial websites using Figma, JavaScript, React.js technologies tailored to their specific needs. This resulted in an improved online visibility and brand awareness and potential customers by 30% complex user interfaces using React, resulting in a visually appealing and intuitive application that enhanced user engagement by 30%.
- Revamped and enhanced the web application utilizing JavaScript, CSS and HTML with a focus on improved compatibility. This led to increased access and engagement by 10% from customers accessing the website through mobile devices.
- Utilized Sass and Styled-components to write modular, reusable CSS, resulting in a 50% reduction in CSS file size and maintainability of the code base.
- Improved application performance through the use of optimization techniques and code profiling; achieving Lighthouse SEO score of 100.

Kenya Forest Research Institute

Full Stack Developer, Project-Based June 2023 – July 2023

- I worked on the KEFRI project under Prestige Management Solution Company, where I was tasked with improving the system's features, UI, service delivery, and integrating AI capabilities.
- Implemented responsive and user-friendly interfaces using React.js and Redux, improving user experience and data accessibility for researchers and stakeholders.
- Developed and maintained server-side logic with Node.js and Express, ensuring efficient data processing and API integration.
- Employed Sass and CSS modules to maintain consistent styling across the application, enhancing visual coherence and user engagement.
- Leveraged MongoDB for database management, ensuring scalable and efficient data storage solutions.
- Conducted rigorous testing using Jest and Cypress to ensure application reliability and performance.
- Implemented CI/CD pipelines using GitHub Actions, streamlining deployment processes and reducing time to market.
- Engaged in regular code reviews and team collaboration sessions, fostering a culture of continuous improvement and innovation.

Sharaz Technologies Full Stack Developer, Project-Based July 2023

- Led development of the Nami PetGroomers Petstore website, enhancing user engagement by 25%.
- Designed interfaces using React.js, Framer Motion, and Material-UI for a visually appealing application.

- Developed and maintained server-side logic with Node.js and Express and MongoDB, ensuring efficient data processing and API integration.
- Optimized website for various devices, increasing mobile user access by 20%.
- Integrated dynamic content APIs for real-time updates.
- Used SCSS for maintainable and reusable CSS.
- Implemented interactive features like booking system and image gallery carousel.
- Conducted testing to ensure reliability and performance.
- Collaborated with design and backend teams for seamless integration

PROJECTS

CareConnect

Aimed at reducing maternal mortality through predictive analytics.

- Developed during a KEHMIS& PALLADIUM hackathon to identify mothers at high risk of missing clinical visits during pregnancy using machine learning models.
- Leveraged various predictive variables to create a model that identifies high-risk individuals, integrating this model into a comprehensive website.
- Technologies used: Machine Learning, React.js, Node.js, and Express for backend services.
- The project enhances maternal healthcare by enabling proactive interventions based on predictive analytics.

Jobify

<https://jobify.live/>

A Dynamic Job Search Platform

- Leveraged cutting-edge technologies including React for frontend development, coupled with Node.js, Express, and MongoDB for backend operations, ensuring seamless data management and user interaction.
- Implemented responsive CSS design for optimal user experience across devices, enhancing accessibility and usability. Jobify empowers administrators with intuitive tools to streamline the hiring process, including job post management, interview scheduling, and real-time status updates, revolutionizing the recruitment landscape."

Snapshot <https://evan-snapshot-blog-website.netlify.app>

Versatile application that allows users to seamlessly browse and download images and videos based on their preferences.

- Utilized React.js and Redux to create an intuitive and responsive user interface, enabling smooth navigation and efficient data management.
- Integrated RESTful APIs to fetch and display relevant content, ensuring up-to-date search results and enhancing user satisfaction.
- Implemented SASS for efficient styling, enhancing the application's visual appeal and user experience.

TECHNICAL SKILLS

Back End | Nodejs, Expressjs, MongoDB, PostgreSQL, MySQL, PHP

Front End | React, Redux, JavaScript, HTML5, CSS3, Bootstrap, Tailwind, Material UI, Axios

Developer Tools | Git, Github, Linux, Npm, Heroku, Netlify, RSpec, TDD, Figma, Agile Development