Kissi Emmanuel

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WORK EXPERIENCE

9ce Technologies   **Jul. 2022 – Present**
Full stack Web Developer   *Accra, GH*

- Streamlined design processes, reducing project timelines by 15%, leading to a 10% reduction in operational costs while maintaining high-quality output.
- Implemented responsive design techniques, resulting in a 40% increase in mobile traffic and a 15% decrease in bounce rates for clients' websites.
- Led usability testing sessions that led to a 20% improvement in user satisfaction scores, enhancing user experiences and user interface (UI) designs.
- Collaborated on SEO-focused design strategies, contributing to a 25% increase in organic website traffic and improved search engine rankings for clients.

Fiverr   **Jul. 2022 – Aug. 2023**
Freelance UI/UX Designer   *Accra, GH*

- Designed and delivered aesthetically appealing and user-friendly interfaces for websites and mobile applications catering to the unique needs of more than 30 diverse clients.
- Successfully generated revenue exceeding $10,000.00 within a year through my design services, demonstrating my ability to create designs that resonate with clients and their target audiences.
- Collaborated closely with clients to understand their vision and objectives, ensuring the alignment of design concepts with their brand identity and user expectations.
- Employed industry-standard design tools and methodologies to create visually engaging layouts, wireframes, and prototypes that optimized user experiences.

Fiverr   **Jan. 2022 – Jun. 2023**
Freelance Machine Learning Engineer   *Accra, GH*

- Leveraged my expertise in machine learning algorithms and techniques to develop custom solutions for clients across various industries, resulting in a 25% average improvement in predictive accuracy for their models.
- Collaborated closely with clients to understand their specific machine learning needs, successfully completing 15 projects tailored to address their unique challenges and objectives.
- Implemented and fine-tuned machine learning models, ensuring optimal performance and accuracy through rigorous testing and refinement, leading to a 30% reduction in prediction errors.
- Demonstrated proficiency in programming languages such as Python and R, along with popular machine learning libraries like TensorFlow and scikit-learn, enabling me to develop and deploy 10 custom machine learning solutions.
- Met project deadlines consistently, prioritizing timeliness and reliability in all client engagements, with a 100% on-time project delivery record.
- Kept abreast of the latest advancements in machine learning and artificial intelligence, integrating cutting-edge techniques into my solutions to deliver innovative results, resulting in the adoption of state-of-the-art algorithms in three projects.

Micro-Chip Technologies   **Jun. 2022 – Aug. 2022**
Engineer Intern   *Accra, GH*

- As an intern, I diagnosed and disassembled over 500 damaged computers and laptops.
- I helped set up over 100 servers.

University of Ghana, School of Engineering   **Nov. 2021 – Jan. 2022**
Engineer Intern   *Accra, GH*
- Worked as a CAD Engineer on a project to build a disinfecting robot to help fight COVID-19.
- Wrote software for the robot in C.

EDUCATION

University Of Ghana   **Aug., 2019 - Present**
Bsc., Biomedical Engineering   *Accra, GH*
- Dean's Honor Award, 3.8/4.0 GPA
- Elected Vice President of the School of Engineering Students' Association

PROJECTS

- **Using Machine Learning to predict GLP-1R agonists for the treatment of Type 2 Diabetes**
  - Spearheaded the development of a predictive model utilizing Machine Learning techniques to identify potential GLP-1R agonists for the treatment of Type 2 Diabetes.
  - Successfully trained, fine-tuned, and validated 18 distinct machine learning models, showcasing exceptional performance in forecasting the bioactivity of diverse drug compounds.
  - Achieved a significant milestone by deploying the top-performing model as a seamless API, enhancing accessibility and usability for stakeholders.

- **Moxify: An AI based content creation tool for small businesses**
  - Led the rapid ideation, design, and execution of 'Moxify,' an innovative AI-based content generation web application.
  - Collaborated with a cross-functional team to integrate highly refined DALL-E 3 and GPT 3.5 models into the platform.
  - Demonstrated agility and ingenuity by creating a versatile tool capable of generating diverse content types, including flyers, emails, captions, and more.
  - Successfully developed 'Moxify' within the constraints of a rigorous 3-day hackathon competition, showcasing strong project management and problem-solving skills.

- **Home-Based Smart Energy Management with TinyML**
  - Successfully developed and implemented an innovative energy management system for home use, leveraging TinyML for real-time analysis and optimization of energy consumption.
  - Engineered a low-power TinyML device equipped with sensors, effectively monitoring and collecting data on household energy usage, including smart meter data and appliance operation.
  - Trained and deployed a custom TinyML model that analyzed the collected data, leading to a remarkable 15% reduction in monthly electricity bills.
  - Achieved measurable cost savings by autonomously adjusting appliance operation based on the TinyML model's recommendations, translating to an annual average savings of GHS 250.00 for the household.
  - Demonstrated the system's practicality and effectiveness in a home environment, showcasing its potential to promote sustainability and reduce energy costs for homeowners.

SKILLS & INTERESTS

- **Skills:** Machine Learning, Natural Language Processing (NLP), Data Analysis, Deep Learning, AI Ethics, AI Tools, Generative AI, Collaborative Problem-Solving, Research Aptitude, Presentation Skills, TensorFlow,

scikit-learn, Pandas, Matplotlib, Git, Seaborn, Strategic planning, UI/UX Design, Digital Marketing, Copywriting, Content Marketing, Python, Django, HTML, CSS, Bootstrap, JavaScript, NodeJS, ExpressJS, MongoDB, ReactJS, Javascript, HTML, Android Studio, Kotlin, Java, C, R, MATLAB, Electronics, SEO, Figma, Adobe Photoshop, Adobe Illustrator.

- **Interests:** AI for Social Good, Continuous Learning, Ethical AI, Cross-Cultural Exchange, Problem-Solving, Electronics and Robotics

PORTFOLIO

https://mister9ce.github.io/my-portfolio/