Immaculate Nayiga

Phone: +256782859695
Email: nayigaimmaculate098@gmail.com
LinkedIn: https://www.linkedin.com/in/immaculate-nayiga-712450259/
GitHub: https://github.com/immaculate098

As an experienced Software Developer, I focus on building reliable and scalable solutions across both front-end and back-end frameworks. I bring expertise in developing user-friendly interfaces and designing efficient server-side systems. Skilled in data optimization and API integration, I am adept at implementing CI/CD workflows and utilizing containerization for smooth deployments. My strengths in problem-solving, clear communication, and teamwork enable me to produce high-quality work and make valuable contributions to any development team. I am also committed to continuous learning and staying up-to-date with the latest industry trends.

Technical Skills

- **Programming Languages:** Python, JavaScript
- **Frameworks and Libraries:** Django, React, Node.js, Nest.js
- **Databases:** MySQL, PostgreSQL
- **Tools and Platforms/Version Control:** Git
- **Methodologies:** Agile, Scrum, Test-Driven Development (TDD)
- **Soft Skills:** Effective Communication, Project Management, Leadership, Adaptability, Quick Learner, Critical Thinking

Projects

Dynamis Website
Created a static website for a client to showcase her apparel collection, provide information about her business, and facilitate customer contact.

Weather Chatbot
Developed an interactive weather chatbot using Node.js and React, allowing users to check weather temperatures for any city around the world.

Music Application
Engineered a music application integrating Django backend with React front-end technologies, facilitating music playback through API connections. Collaborated with a team to refine the system through iterative sprint meetings.

Daystar Daycare Project
Designed a software system to manage stock and data storage for Daystar Daycare, transitioning from a paper-based system to a digital solution. Utilized Python, Django, HTML, CSS, JavaScript, and SQL Server.

Online Examination Monitoring System
I am currently an intern at Clarke International University, where I am contributing to the development of an online examination monitoring system designed to prevent malpractice during exams. This system enables real-time proctoring through webcam monitoring, including live audio and image capture. It also detects and auto-submits exams in cases of tab-switching attempts and provide reports and time feedback of flagged issues during student examinations

The platform provides lecturers with the ability to create and manage exams online, upload question banks from past assessments, grade student performance automatically and integrates seamlessly with existing systems such as Moodle and the university's MIS. Administrators are able to manage both lecturer and student accounts, streamlining user access and management.

Education

- **Certificate in Python Development, Refactory Academy** January 2024 - December 2024
- **Advanced Certificate of Software Engineering, Refactory Academy** January 2024 - December 2024
- **Uganda Advanced Certificate of Education, Bishop Cipriano Kihangire** 2021 - 2022
- **Uganda Certificate of Education, St Denis SSebugwawo SS Ggaba** 2016 - 2019

References

1. **Ms. Dorothy Oyella**
   Placements Lead, Refactory Academy Uganda
   Email: doyella@refactory.academy
   Phone: +256772122523

2. **Ms. Esther Nansubuga**
   Program Manager, Groundbreaker Talents Uganda
   Email: esther@groundbreaker.org
   Phone: +256784462913

3. **Nambuya Sarah**
   Founder, Elevated Elegance
   Email: sarahnambuya440@gmail.com
   Phone: +256750338376