Christabel Ngwenya

+263715108592 or +263781041167 |
christabelchrissy01@gmail.com
in https://www.linkedin.com/in/christabel-ngwenya

Personal Details

- GitHub   : https://github.com/christabelngwenya
- Portfolio website : https://christabelngwenya.github.io

Professional Summary

- Technically skilled Computer Systems Engineering graduate with hands-on experience in IT infrastructure, system maintenance, and technical support gained during a 1-year internship at Bulawayo City Council. Passionate about networking, cloud computing, cybersecurity, and automation, with a strong foundation in hardware and software troubleshooting, system administration, and IT project support. Adept at analyzing technical requirements, optimizing system performance, and delivering user-focused solutions. Eager to apply my problem-solving skills, adaptability, and enthusiasm for emerging technologies in a dynamic ICT or engineering role.

Technical Skills

- Programming Languages: Python (Data Analysis) ,JavaScript (React.js, Node.js, Express.js), SQL (PostgreSQL, MySQL)
- Web Development: REST API Design , Responsive Web Design
- Data and Systems: Database Management (PostgreSQL/MySQL) ,ELK Stack (System Monitoring) , IoT Systems
- DevOps and CI/CD pipelines: Git (Version Control) ,GitHub Actions (CI/CD Pipelines
- Security & Networking: Network Configuration and troubleshooting ,Cybersecurity Fundamentals ,VPN and Firewall Management
- Soft Skills: Problem Solving , Team Collaboration
- Agile and Collaboration: Scrum Methodology ,Jira for Project Management
- Knowledge of Docker & Kubernetes (Containerization) ,Jenkins

Education

- **Midlands State University**   2025
  BEng (Hons) Computer Systems Engineering
  Degree Class 2.1

- **Sikhulile High School**   2020
  Advanced Level
  14points in Chemistry ,Physics ,Pure Mathematics and Mechanical Mathematics

- **Sikhulile High School**   2018
  Ordinary Level
  9 Olevels , Mathematics A ,Pure Mathematics A ,Ndebele A ,History A ,English B , Geography B , Chemistry B , Physics C , Biology C

Experience

- **City of Bulawayo(BCC)**   August 2023 - July 2024
  Internship
  Key responsibilities:
  •Network configuration and troubleshooting
  •Hardware repairs and maintenance
  •Help desk support and user assistance
  •Software maintainance and updates

- •Website updating and maintenance
- •System monitoring and optimization

Projects

- **Safe sphere web application**
  Safe Sphere - Campus Safety Web Application (Node.js, React.js, PostgreSQL)
  - Developed a comprehensive safety platform for female students at tertiary level with key features:
    • Anonymous incident reporting system
    • Virtual walk companion with real-time location sharing
    • Mental health assessment tools with gamification
    • Secure counseling service
- **Smart water management system**
  An IOT based system for proactive leak detection and real time water management .Key features include : real time monitoring,leak detection alerts ,geospatial mapping of the water network,data visualization using chartjs
- **Community Water Reporting Portal**
  (Reactjs and nodejs , MySQL) Built a responsive web application enabling citizens to:
    • Report water issues using a user friendly web form
    • Track report status for a report previously made for progress

- **Digital Certificate Issuance System**
  A web-based platform for city councils to generate and manage shop licensing certificates digitally thereby replacing the outdated handwritten systems.technologies [reactjs ,nodejs and MySql]
- **AI chatbot for Customer support**
  Developed a NLP powered chatbot handling 85% of queries without human intervention

Reference

- **Mrs T Kamasho - City of Bulawayo**
  Web analyst assistant
  +263 77 293 8430

- **Mr C Ngwenya**
  +263776423802