PHOOKO PATRICK MAKHOTLA

Ha Pita, Maseru 100, Lesotho

makhotlaph@gmail.com | +266 63842955 / 58485280

 www.linkedin.com/in/patrick-phooko-8297b029a

 https://github.com/PhookoPM

Professional Summary

Passionate, detail-oriented Computer Scientist and aspiring Data analyst with a strong foundation in Full-Stack development, Data modeling, Analysis and Machine Learning. I have successfully applied my skills to build real-world systems, from developing a fraud detection model for USSD transactions as my final year project using Python(Django) and a Hospital management system on Docker. With hands-on experience in Python, databases, and web development frameworks, I am committed to building efficient, scalable, and secure solutions. Always eager to learn, I thrive in collaborative environments and enjoy tackling complex problems with innovative approaches.

Personal Details

- Date of Birth   : 14th May 2000
- Nationality   : Mosotho
- Gender   : Male
- Driving Licence   : Code B
- Place   :Open to Relocate

Education

- **National University of Lesotho**

  Bachelor of Science in Computer Science

- **Leribe English Medium School**

  LGCSE

- **Leribe English Medium School**

  Junior Certificate

- **Mafube English Medium School**

  PSLE

Professional Development Certifications And Training

- **Certificate Of Completion : mHealth Basics-Introduction to Mobile Technology for Health Course**
  - **Issued by :** Global Health eLearning Center
  - **Credential :** https://www.globalhealthlearning.org/certificate/1713361/g-c-completion-13028-0-id15834981-1713361
  - **Date of Issue : 05th December 2024**

Projects

- **Fraud Detection System over USSD Transactions (2023/24)**

  Successfully submitted in partial fulfillment of a Bachelor of Science in Computer Science, Faculty of Science and Technology, National University of Lesotho.

- ○ Developed a machine learning model to detect fraud in USSD transactions.
  - ○ Used Python, scikit-learn, and PostgreSQL to analyze transaction patterns and detect anomalies.
  - ○ Conducted data pre-processing, feature engineering, and model evaluation for accuracy and reliability.
- **Hospital Management System (Jan 2024 - May 2024)**

Successfully submitted in partial fulfillment of a Bachelor of Science in Computer Science, Faculty of Science and Technology, National University of Lesotho.

  - ○ Built a Python(Django)-based hospital management system using PostgreSQL and Nginx.
  - ○ Deployed with Docker and Docker Compose to ensure smooth multi-node operations.

Experience

- **IT Center Maseru**   (Jan 2025 - Present)

  IT Support Consultant & Instructor- Computer Networks, Cybersecurity & IT support (Full time)

  Key Duties and Responsibilities :

  - ○ Configure Networks and Test: Responsible for setting up and testing network configurations.
  - ○ Support and Consultancy: I assist clients with technical issues, providing support through various communication channels.
  - ○ Delivers practical training sessions on computer networking concepts, TCP/IP, subnetting, VLANs, routing, and switching.
  - ○ Taught cybersecurity fundamentals, covering threat detection, malware analysis, and security incident response.Kali Linux and Metasploit - penetration testing, Wireshark- network traffic analysis and scanning.
  - ○ Provides hands-on training on configuring network topology, firewalls, access points, and end-points.

- **Computer-Hub Leribe**   (Feb 2024 - Jan 2025)

  IT Support and Consultant (Remote)

  Key Duties and Responsibilities :

  - ○ Configure Networking and Testing: Responsible for setting up and testing network configurations.
  - ○ Support and Consultancy: I assist clients with technical issues, providing support through various communication channels.
  - ○ Troubleshooting Hardware and Software Issues: Identify and resolve problems with computer hardware and software related issues, which may include diagnosing failures and repairing or replacing faulty components.
  - ○ Point of Sale (POS) Systems Installation and User Training

- **National University Of Lesotho**   (Sep 2023 - Feb 2024)

  Computer Science Lab Assistant (Volunteering, On-site)
  - ○ Fundamentals to C++ programming year 2 module

  Key Duties and Responsibilities :

  - ○ **Facilitating Lab Sessions**: Assist students during C++ programming lab sessions by providing guidance on coding exercises and debugging errors.
  - ○ **Supporting Practical Learning**: Help students understand core programming concepts such as variables, loops, functions, arrays, and a little intro to object-oriented programming in C++.
  - ○ **Maintaining Lab Equipment**: Ensure all computers and software in the lab are functional and assist in troubleshooting technical issues.
  - ○ **Promoting Good Coding Practices**: Encourage students to follow clean coding standards, write efficient algorithms, and use proper documentation in their code.

Key Competencies

- **Technical Skills :**
  - **Front end:** React(Next.js), Tailwind CSS, HTML
    - JavaScript (Angular)
  - **Back end:** Python (Django), Node.js
    - SQL (PostgreSQL, Oracle), MySQL
  - C++, C programming, Assembly Language
  - Linux Systems(Ubuntu & Kali)
  - Git, Docker (Containerization)
  - Power BI (Data Analytics)

- **Areas Of Expertise :**
  - Web development (full stack)
  - Database design and Management
  - Machine learning and Fraud detection
  - Data capture, Modeling, and Analytics
  - Distributed systems and applications
  - Linux, Windows OS Maintenance & Security
  - Windows Active Directory management
  - Cloud Deployment and Containerization (Oracle & Docker)

- **Soft Skills :**
  - Good communication skills (interpersonal and extra personal)
  - Problem-solving
  - Critical thinking
  - Adaptability
  - Time management
  - Attention to detail
  - Collaboration
  - Teamwork

References

- **Mr. Sebolele Kala - IT Center, Botho University-Lesotho**

  CEO - IT Center, Lecturer at Botho University

  info@itcenter.co.ls

  +266 56802145

- **Mr. Lika Masoebe - Health Information Systems Program - Southern Africa**

  Business Analyst , Professional mentor

  masoebesamuel@gmail.com

  +266 57490041

- **Mr. Balone Ndaba - National University Of Lesotho - FOST**

  Computer Science Lecturer and 4th year research project Supervisor

  balonendaba@gmail.com

  +266 57671129

- **Dr. Likeleli Qhomane Letsie - National University of Lesotho - FOST**

  Information Systems Lecturer

  (+266) 63156004/ 52213788