

# Siphehle Mhlongo

Recent IT Graduate | Oracle Certified (x3) | Full Stack Web Developer  
ASP.NET, C#, SQL, Azure | Power BI & Business Analytics

✉️ [siphemhlongo21@gmail.com](mailto:siphemhlongo21@gmail.com) ☎️ 0739350868 🗺️ Pietermaritzburg, South Africa

LinkedIn: <https://www.linkedin.com/in/siphehle-mhlongo-86172b251/>

## SUMMARY

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Bachelor of Commerce (Information Systems and Technology) graduate from the University of KwaZulu-Natal with a strong foundation in software development, data analytics, and information systems. Through hands-on academic and real-world projects, I have gained practical experience designing and delivering technology solutions aligned to business and client requirements. My work includes developing a full stack ASP.NET web application using C#, SQL Server, Microsoft Azure, and an AI-powered chatbot, as well as building interactive Power BI dashboards driven by live SQL data to support data-driven decision-making. I have applied Agile software development practices throughout the project lifecycle from requirements analysis and system design to development, testing, and delivery. Disciplined, analytical, and highly motivated to grow within a structured graduate or entry-level technology programme.

## EDUCATION

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### **University of KwaZulu-Natal, Westville Campus,**

2021 – 2025

*Bachelor of Commerce (General) - Information Systems & Technology*

- Double Major: Information Systems Technology & Computing (ISTN)
- Overall Weighted Average: 66% (Postgraduate and Bursary Eligible)
- Dean's Commendation (Semester 2, 2021) - Awarded for outstanding academic performance Achieved 85% for final milestone (M4) of year-long final-year Information Systems project.
- Project Manager & Group Leader for ISTN212, ISTN3AS, and ISTN3S1 academic projects.

## EXPERIENCE

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### **Future Interns, Full Stack Web Development**

02/2026 – 03/2026

Bengaluru, Karnataka, India

**Full Stack Web Development Intern (Unpaid)** Future Interns – Remote (India) | Feb 2026 – Mar 2026

- Designed and developed a dynamic full-stack web application integrated with a database.
- Built responsive front-end interfaces using HTML, CSS, and JavaScript.
- Implemented backend logic and APIs to handle data processing and storage.
- Performed CRUD operations and managed structured data within the database.
- Used GitHub for version control, documentation, and project delivery.
- Strengthened problem-solving, debugging, and real-world software development practices.

- Led a year-long software development project delivered in four milestones plus a final milestone, achieving 85% overall for the group. Designed and developed a complete software system in C# integrated with an ASP.NET web application, backed by SQL/MySQL databases.
- Deployed the website on Microsoft Azure, ensuring reliable hosting, scalability, and accessibility.
- Created interactive dashboards and reports published on Power BI, and demonstrated Excel-based reporting for stakeholders. Applied Agile development methodologies, coordinating sprints, tracking progress, and ensuring timely milestone completion.
- Managed a cross-functional team, promoting collaboration, code version control, and accountability.
- Conducted system testing, quality assurance, and data validation to ensure a reliable and user-friendly application.
- Provided hands-on IT training to team members, bridging academic knowledge with practical, real-world experience.
- Facilitated communication with stakeholders, presenting technical concepts and project outcomes clearly.
- Delivered a fully functional, scalable software system, ready for commercial use if the client chooses to purchase.

- Assisted with daily operational and administrative tasks to support police station activities.
- Maintained office and facility cleanliness, ensuring a safe and organized environment. Supported staff with logistical tasks, including document handling and record management.
- Helped coordinate minor events and internal projects, ensuring smooth execution.
- Collaborated with team members to complete tasks efficiently and on time. Demonstrated reliability, punctuality, and strong work ethic in all assigned duties.
- Followed standard operating procedures to maintain safety and compliance.
- Assisted with the preparation and distribution of reports and materials.
- Contributed to improving workflow and operational efficiency in the station.
- Adapted quickly to changing priorities in a fast-paced environment.

## SKILLS

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**Data Analysis & Reporting** — Power BI Dashboarding & Visualization Data Cleaning, Validation & Modeling Data Interpretation & Insight Generation Microsoft Excel (Advanced formulas, Pivot Tables, Reporting) Power BI Service (Publishing & Sharing Reports) SQL & MySQL Database Management Business Intelligence & Data-Driven Decision Making KPI Definition & Performance Tracking, C# &

**ASP.NET Web Application Development** — RESTful APIs (basic integration) Cloud Computing (Microsoft Azure, Oracle Cloud Infrastructure) Database Design & Normalization ERP Process Understanding (Oracle Fusion Cloud) Agile & Scrum Methodologies Software Development Life Cycle (SDLC) System Analysis & Design Application Testing & Quality Assurance Version Control (Git - basic) Cloud Deployment & Hosting (Azure) Security & Access Control Fundamentals, **Problem Solving &**

**Analytical Thinking** — Stakeholder Communication (Technical & Non-Technical) Technical Documentation & Reporting Team Leadership & Collaboration Time Management & Prioritization Adaptability & Continuous Learning Databases: SQL Server, relational databases Office Productivity: Microsoft Word, Excel, PowerPoint Troubleshooting & System Analysis Leadership & Project Management: Project Manager & Group Leader for ISTN212, ISTN3AS & ISTN3S1 projects Excellent written and spoken communication skills Strong analytical and solution-oriented mindset.



## CERTIFICATIONS

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### **Oracle Cloud Infrastructure 2023 Certified AI Foundations Associate**

Oracle University - 2025

- This certification is highly relevant to any IT role as it demonstrates a strong foundation in modern cloud computing, AI fundamentals, and enterprise IT Infrastructure.
- It validates the ability to understand how systems, applications, and data operate within cloud-based environments, which are standard across today's IT landscape.
- The certification confirms knowledge in:
  - Cloud infrastructure fundamentals (compute, storage, networking, and security)
  - Data and AI concepts used in enterprise systems
  - Scalable, secure, and high-availability architectures
  - Enterprise platforms commonly used in large organizations
  - Best practices for deploying, managing, and supporting cloud-hosted systems
- This knowledge is essential for IT professionals involved in software development, data analytics, system administration, business intelligence, and IT operations, as most modern solutions rely on cloud-based infrastructure and data-driven technologies.
- The certification complements my background in Information Systems & Technology and Computing, strengthening my ability to work effectively in fast-paced, technology- driven environments and contribute to the design, implementation, and support of modern IT solutions.

### **Oracle Cloud Infrastructure 2023 Certified Foundations Associate**

Oracle University - 2025

- This certification is relevant because it validates a strong foundational understanding of cloud computing and enterprise cloud infrastructure, which is essential across all IT roles.
- It demonstrates the ability to understand how modern systems, applications, and data are designed, deployed, governed, and managed in cloud-based environments.
- The certification confirms knowledge in:
  - Core cloud concepts and how public cloud platforms operate
  - OCI core services, including Compute, Storage, Networking, Databases, Analytics, AI, and Developer services
  - Cloud security and identity management, including access control and compliance models
  - Governance, administration, and cost management, which are critical for enterprise IT environments
  - Hybrid and observability concepts, supporting scalable and reliable system operations.
- This foundational knowledge is important for software developers, data analysts, system administrators, cloud engineers, and IT support professionals, as it enables effective collaboration, informed decision-making, and better system design within cloud-first organizations.
- The certification complements my background in Information Systems & Technology and Computing, strengthening my ability to work confidently in cloud-enabled, enterprise-scale IT environments and support modern, data-driven solutions.

### **Oracle Fusion Cloud Applications ERP Process Essentials Certified - Release 1**

Oracle University - 2025

- This certification is relevant because it validates an understanding of how enterprise systems, data, and business processes integrate within cloud-based ERP environments, which is critical across modern IT roles.
- It demonstrates the ability to understand end-to-end data and process flows that support business operations and decision-making.
- The certification confirms knowledge in:
  - Oracle Modern Best Practices (DMBPS) for designing and optimizing enterprise systems.
  - Data flows and integration points across ERP modules, ensuring accurate and consistent information flow

## PROJECT

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### **Ikhwezi Booking System, Khwezi Driving School / UKZN Academic Project**

- Developed the Ikhwezi Booking System, a web-based application built in C# integrated with ASP.NET, backed by SQL/MySQL databases for data management.
- Deployed the system on Microsoft Azure, ensuring secure, scalable, and reliable access.
- Designed and published interactive dashboards and reports on Power BI, providing real-time insights for bookings and system usage.
- Created Excel-based reporting tools to complement the web dashboards for stakeholders.
- Applied Agile project management methodologies, completing the project in a single sprint while maintaining high quality standards.
- Ensured system usability, functionality, and data accuracy through thorough testing and quality assurance.
- Documented system architecture, workflows, and user manuals to facilitate adoption and future updates.
- Delivered a fully functional system capable of supporting booking operations efficiently and scalable for future expansion.
- Collaborated with team members to ensure smooth project execution and knowledge transfer.

## AWARDS & HONORS

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### **Dean's Commendation, UKZN**

01/12/2020

- Awarded for outstanding academic performance, demonstrating strong analytical ability, discipline, and consistent excellence in a demanding academic environment.

### **Dean's Commendation,**

01/12/2020

*College of Law and Management Studies, UKZN*

- Awarded for outstanding academic performance in Semester 2.

## REFERENCES

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### **Mr. Mpho Mzingelwa, Lecture, University of KwaZulu-Natal**

mzingelwa@ukzn.ac.za, 0312609111

### **Mr. Martin Mabeifam Ujakpa, Lecture, University of KwaZulu-Natal**

ujakpam@ukzn.ac.za, 0312601111

### **Mr. Nitesh Narsai, Lecture, University of KwaZulu-Natal**

narsain@ukzn.ac.za, 0312608209

## CONDITION

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### **Visional Impairment-Left eye not working, Only using right eye**

**Disability Information:** I have a visual impairment and primarily use my right eye. I am able to perform computer-based tasks effectively and can work with reasonable accommodation where required.