Kefitlhile Dinale

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Professional Summary

Final-year BSc Information Technology student with hands-on experience in full-stack development, database design, and data analytics. Skilled in C#, .NET Framework, Oracle SQL, and modern JavaScript frameworks (React.js, Express.js, Node.js, MongoDB). Adept at building scalable, user-focused solutions and translating business needs into efficient technical implementations. Strong foundation in system analysis, with a commitment to continuous learning.

Core Competencies

- **Languages:** C#, SQL (Oracle & Microsoft), Python, Java, C++
- **Web Development:** JavaScript (ES6+), React.js, Express.js, Node.js, HTML, CSS, MongoDB
- **Frameworks & Tools:** .NET Framework, Visual Studio, VS Code, Git, GitHub, Excel, PowerPoint
- **Domains:** Database design & optimization (SQL & NoSQL), System analysis & design, Data analytics & reporting
- **Soft Skills:** Problem-solving, adaptability, teamwork, communication

Technical Proficiency

- **Python:** Intermediate (IBM Python for Data Science, AI & Development – Coursera)
- **C#:** Proficient (.NET Framework, ASP.NET, MS SQL Server)
- **Java:** Competent in data structures & algorithms
- **C++:** Foundational knowledge
- **Databases:** Oracle SQL, PL/SQL, NoSQL
- **AI/ML:** Foundational knowledge
- **Operating Systems:** Currently learning Linux

Selected Projects

AgroConnectSA (Ongoing)
- AI-powered marketplace & supply chain optimizer for smallholder farmers in South Africa.
- Connects farmers, buyers, logistics, and financial services to boost income, cut waste, and improve market access.
- Features include AI demand forecasting, quality grading via computer vision, dynamic pricing, smart logistics, embedded finance/insurance, and data dashboards.

Restaurant Reservation System
A web-based platform that allows customers to reserve tables, pre-order meals, and make secure payments.
- **Version 1 (Completed):** C#, .NET Framework, Microsoft SQL Server – booking flows, RSVPs, pre-ordering, payment processing.

- **Version 2 (Ongoing):** React.js, Express.js, Node.js, MongoDB – improved scalability and user experience.

Oracle Laundromat Database (Completed)

- Oracle SQL database with PL/SQL triggers to automate orders and payments while ensuring data integrity.

NoSQL-Based BI System (Ongoing)

- Reporting and analytics system for sales data, supporting flexible queries and executive dashboards.

Student Dev Hub (Ongoing)

- Platform for student developers to share resources, showcase projects, and collaborate.

Education

- **North-West University** – BSc Information Technology *(Feb 2022 – Dec 2025, expected)*

- **Sunrise View Secondary School** – Matric *(Jan 2016 – Dec 2020)*

Certificates

- **Full Stack Engineering with JavaScript – CodeSignal**
  Gained hands-on experience in building responsive web applications, mastering JavaScript (ES6+), and working with front-end (React.js) and back-end (Node.js, Express.js) frameworks, along with database integration.
- **IBM Python for Data Science, AI & Development – Coursera**
  Developed strong foundations in Python programming for

data analysis, visualization, and basic AI/ML concepts, including working with libraries like Pandas, NumPy, and building simple machine learning models.