

# NALEDI SANDAMELA

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## EXPERIENCE

### BI & Data Intern

EPPF | Bryanston, Gauteng

May 2024 – January 2025

- Designed & implemented RESTful APIs in Node.js for data integration, retrieval, and authentication, improving reporting turnaround times.
- Developed interactive dashboards for senior management using Power BI, improving data visibility and decision-making.
- Built and optimized data pipelines to streamline data processing for the company's data warehouse.

### IT Intern

EPPF | Bryanston, Gauteng

Feb 2024 – May 2024

- Resolved 95% of technical issues within the first 24 hours, significantly reducing employee downtime and improving overall productivity.
- Provided timely and effective technical support, resulting in increased user satisfaction and a decrease in recurring issues.

### Student Assistant

NWU | Potchefstroom, North-West

July 2021 – Dec 2021

- Provided mentorship & support to students, improving their understanding and application of C++.
- Assisted in grading and delivering feedback to enhance student performance.

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## EDUCATION

### B.Sc. Honours Information Technology with Software Engineering

Eduvos | Potchefstroom, North-West

Feb 2023-Dec 2023

- **Golden Key International Honour Society Member:** Top 15% of the class
  - **Data Mining Project:** Analysed data to predict outcomes such as life expectancy and diabetes using Python.
  - **Job Board Web Application:** Built a job board for IT graduates using React, Node.js, MongoDB, and microservice architecture. Included features for posting and applying to job listings, utilizing JavaScript, Apache Kafka, MongoDB, and Swagger.

### B.Sc. Information Technology

NWU | Potchefstroom, North-West

Feb 2019-Dec 2022

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## CERTIFICATIONS & TECHNICAL SKILLS

AWS Certified Cloud Practitioner

Apr 2025

Google Data Analytics Professional Certificate

July 2022

- **Programming:** Python, Java, C#, JavaScript, TypeScript
- **Frameworks & Libraries:** Node.js, Express.js, React, Flutter, .NET Core
- **Databases:** SQL, PostgreSQL, MongoDB, Firebase, SQLite
- **API Development:** RESTful APIs, Postman, Swagger, JWT Authentication
- **Cloud & DevOps:** AWS S3, Docker, Azure, Web Sockets
- **Tools & Version Control:** Git, GitHub, Jira, NetBeans, Power BI

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## PROJECTS

### Beeper API Microservices-Based Messaging Platform

- Developed a **secure and scalable** API using **Node.js, Express.js, and MongoDB**.
- Implemented **user authentication, profile management, and notifications**.
- Delivered **seamless user experiences** across mobile and web platforms.

### Latch – Social Media Platform for CS and IT Graduates

- Designed and implemented a **microservices architecture** with **Node.js & Express.js**.
- Integrated **WebSockets for real-time messaging & notifications**.
- **Implemented JWT authentication** for secure user access.
- Utilized **AWS S3 for cloud storage and Swagger for API documentation**.

### Web Scraper/ Python and data analysis

- Developed a **Python-based web scraper** to collect and store product prices from multiple websites.
  - Analyzed & visualized data to track pricing trends and fluctuations.
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