



YASTEEL RAMPHAL

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DATE OF BIRTH: 2000/10/27
NATIONALITY: South African
DRIVERS LICENSE: Code B

PROFESSIONAL SUMMARY

A motivated and detail-oriented engineering student with hands-on experience in data science, data engineering, industrial manufacturing and process control. Skilled in problem-solving, teamwork, and technical analysis, with a strong foundation in software development, machine learning, and control systems. Quick learner with excellent communication skills, eager to contribute innovative solutions in a dynamic work environment. Passionate about squash and martial arts, fostering discipline and resilience.

QUALIFICATIONS

Bachelor's degree: **Final Year**
BSc (Eng) in Electrical and Information Engineering
UNIVERSITY OF WITWATERSRAND

Schooling:

Independent Examinations Board (IEB) Level:
SHANGRI-LA ACADEMY INDEPENDENT SCHOOL

COMMUNITY SERVICE

- SPCA
- Volunteered at old age homes.
- Volunteer at the Food for Life Programme.

Courses:

HARVARDX (edX): 2020

Cloud Computing

Cloud service and deployment models, architecture, security and new technologies

Data Science Program Online

R programming, data wrangling and visualization, file organization and reproducible document preparation.

AWS Machine Learning Cloud Camp 2024

Utilising AWS Rekognition and Textract through an API to implement image recognition and text recognition on a locally hosted website.

SELECTED ACHIEVEMENTS

- Awarded the Van Der Linder Trophy for the top achiever in physical science.
- Qualified for the Math Olympiad
- Achieved red belt in Kung Fu

WORK EXPERIENCE

South African Breweries (SAB - AB InBev) | Chamdor
Electrical and Information Engineering Intern

Dec – Mar 2025

Worked with Process and Control Engineering and Technical Services team to assist site with the following:

- Assisting in the development and maintenance of SCADA systems.
- Learning and applying control engineering concepts to optimize manufacturing processes in FMCG.
- Analysing and troubleshooting Schneider and Krones systems for efficiency improvements.
- Familiarizing with industrial instrumentation, including valves, heat exchangers, and pumps.
- Collaborating with cross-functional teams to enhance system performance.
- Designing and commissioning an electrical clean room to ISO standards

UVI Tech | Pomona
Lab Technician

Jan – Oct 2024

- Oversee manufacturing and assist with sales by managing client requests.
- Conducted quality control testing and analysis of pigments and inks.
- Recorded and reported results on manufactured goods.
- Managed deliveries across Gauteng, ensuring timely and safe transport.

Wits Business Intelligence Services | Johannesburg
Data Science

Oct - Dec 2023

Data science intern responsible for creating and training ML models to create predictive models to support BI. Responsibilities include:

- Performing Exploratory Data Analysis (EDA)
- Preprocessing and cleaning Data
- Machine learning model training
- Model validation
- Implementing a Natural language processing (NLP) model
- API implementation and integration
- Managing and coordinating a team

Wits Business Intelligence Services | Johannesburg
Data Engineering

Jun - Sep 2023

Data engineering intern responsible for managing and creating data pipelines to support Business Intelligence. Responsibilities include:

- Leveraging various schemas to design data warehouses and data lakes
- creating ETL and ELT processes
- Feature engineering
- Cleaning and preparing data
- Integrating cloud services,
- Querying data and representing data for business insights.
- Team management

Master Maths | Edenvale

Jan – Oct 2020

Part-time Mathematics and Physical Science tutor for Grade 8 to 12 students.

Responsibilities include:

- Review class material with students by working through solutions to problem questions, discussing theory.
- Monitor and assess students' performance.
- Create a good tutoring environment to promote productivity and learning of the students.

Assistant Mechanic | Independent

Dec - Jan 2018

Responsible for assisting in the maintenance and repair of mechanical systems. Responsibilities include:

- Diagnosing and troubleshooting mechanical issues
- Performing routine maintenance and servicing of machinery/vehicles
- Assisting with repairs and component replacements
- Using hand and power tools safely and effectively
- Ensuring compliance with safety procedures and workshop standards
- Supporting senior mechanics in daily tasks and operations

Hatch | Edenvale

Aug 2017

Job shadowed an engineering consultant and assisted with general administration.

SKILLS:

- Electronic Systems Design
- Control System Design
- Krones and Schneider Systems
- Autocad and 3D Modelling
- Software Development
- DevOps and Automation
- C++/Python/SQL /HTML/CSS/JS
- Git/ GitHub and Cmake
- Data Analytics
- Unit Testing And OOP
- Wireless Communication and Signal Modulation
- Technical Lab Skills
- Power BI
- Technical PC Repair Skills
- Computer Cabling and Hardware Trouble Shooting
- Team Management
- Logistics
- Able To Multitask
- Able To Work Independently
- Excels At Self-Management
- Problem Solving Skills

References

Tafadzwa | SAB
Technical Services Manager
074 532 5400
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Ashlen | SAB
Process and Control Engineer
079 693 0441

Joe | UVI Tech
Owner
084 272 6436