

ELLIAS SITHOLE

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<https://babakaelijah.github.io/portoflio-website/> | 🖨 <https://github.com/BabaKaElijah>

PROFESSIONAL SUMMARY

I am a problem-solver by nature, with a strong background in mathematics and a growing career in software development and data analysis. I hold an MSc in Pure Mathematics from the University of the Witwatersrand and have gained industry experience through internships, professional roles at PepsiCo, and several hands-on personal and collaborative projects. My goal is to merge mathematical thinking and technology to create impactful, data-driven solutions.

ACADEMIC BACKGROUND

MSc in Pure Mathematics | University of the Witwatersrand, Johannesburg (Jan 2020 – Dec 2021)

- Research dissertation in Graph Theory titled 'A Derived Graph: Triangle Graph of a Graph', supervised by Prof Eunice Mphako-Banda.

BSc (Hons) in Pure Mathematics | University of the Witwatersrand, Johannesburg (Jan 2019 – Dec 2019)

- Focused on Advanced Number Theory.
- Research project: 'Generating Functions in Number Theory.'

BSc in Computational and Applied Mathematics and Mathematics | University of the Witwatersrand, Johannesburg (Jan 2015 – Dec 2018)

- Majors: Pure Mathematics, Applied Mathematics, Physics, Chemistry.

EMPLOYMENT HISTORY

Intern Junior Developer | NVisionIT (Hybrid) (Nov 2024 – Jan 2025)

- Assisted in developing commercial web applications.
- Collaborated with development teams on various projects.
- Applied user-centered interaction design principles.
- Worked with modern web frameworks and technologies.

- Wrote and tested application code.

SC Planning Representative – Network Transformation (Network Modeller) | PepsiCo, Isando, Kempton Park (Jan 2023 – Dec 2023)

- Implemented data-driven strategies to optimize operational efficiency.
- Engaged with multiple teams to gather data and build network models.
- Validated input data for accuracy.
- Incorporated stakeholder assumptions into models.

Finance & Revenue Management Graduate | PepsiCo, Isando, Kempton Park (Aug 2021 – Jan 2023)

- Completed 18-month graduate program with rotations in R&D, Supply Chain, Commercial, and Finance.
- Worked on projects like Sustainability WECA and Brand Ladder Pricing Index.
- Led a specialty project in Net Revenue Management to reduce expired stock levels.

KEY SKILLS

Languages: JavaScript, SQL (T-SQL), HTML, CSS

Tools & Frameworks: Power BI, Power Apps, SSMS, Git, GitHub, VS Code

Other: Microsoft Office, LaTeX, SpatialXL

Soft Skills: Data Analysis, Creativity & Innovation, Quantitative Research, Adaptability & Flexibility Management, Customer Engagement, Problem Solving & Critical Thinking, Teamwork & Collaboration, Work Ethic & Dependability

CERTIFICATIONS

- Project Management Fundamentals – Project Management Institute (2021)
- Microsoft Certified: Power Platform Functional Consultant Associate (2024)
- Microsoft Certified: Power Platform Developer Associate (2024)
- Microsoft Certified: Dynamics 365 Sales Functional Consultant Associate (2024)

ACHIEVEMENTS

- Contributed to a cross-functional project that improved company ESG rating
- Redesigned delivery schedules for three regions, resulting in an 8% increase in delivery productivity.
- Developed GitHub portfolio of JavaScript and SQL projects demonstrating problem-solving and clean code practices.

PROJECTS

- **Weather App – JavaScript | HTML | CSS**
Simple and responsive weather web application that allows users to search for current weather conditions in any city.
GitHub: https://github.com/BabaKaElijah/weather_app
- **Netflix Shows Analysis – Excel | SQL**
This project involves a comprehensive analysis of Netflix's movies and TV shows data using SQL.
GitHub: https://github.com/BabaKaElijah/netflix_shows_analysis
- **Password Generator App – JavaScript | HTML | CSS**
Built a responsive app that generates randomized passwords with copy-to-clipboard functionality.
GitHub: https://github.com/BabaKaElijah/random_password_generator_app

Additional projects available on GitHub: <https://github.com/BabaKaElijah?tab=repositories>