



"Insight-led, data-backed solutions."

Agency Overview

byte Brilliance (Reg: 2024/375746/07) is an insight-led, data-backed consultancy based in Sandton, South Africa. We do not believe in reinventing the wheel; we believe in finding the missing pieces. By identifying hidden pain points in existing systems, we engineer data optimization solutions that bridge the gap between user psychology and business logic.

Our philosophy is rooted in precision. We believe that technology should reduce cognitive load, not add to it. By combining advanced data science methodologies with sleek, intuitive web development, byte Brilliance delivers infrastructure that allows businesses to operate with clarity and unmatched efficiency.

Core Capabilities

EXEC: WEB_DEV

Digital Real Estate

We build high-performance, bespoke web platforms. From dynamic client portals to clean, high-converting corporate profiles, our architecture is designed for speed, security, and aesthetic dominance.

EXEC: DATA_SCI

Data Engineering

Data without synthesis is just noise. We provide custom SQL/Python integrations, data visualization (Tableau/Pandas), and predictive machine learning models to drive strategic business growth.



Leadership & Technical Execution

A technology agency is only as robust as the logic of its engineers. byte Brilliance is driven by a team that blends deep technical expertise with strategic, human-centered system design.

> Nontobeko Ncube | Founder & Lead AI Developer

Nontobeko is a Data Scientist and full-stack developer with a highly unique, multidisciplinary background. Transitioning from medical school to forensic science, and ultimately into web and AI development, she brings an unparalleled perspective to health-tech and data logic. Her engineering approach is heavily influenced by systems thinking—optimizing software to reduce cognitive friction and enhance human performance. As an award-winning developer who recently took 2nd Place at the national Geekulcha Hackathon for her predictive health-tech logic, Nontobeko ensures every byte Brilliance product is built on a foundation of mathematical certainty and flawless execution.

> Neo Radebe | Full Stack & Mobile Developer

Neo is a Full Stack Developer specializing in high-performance mobile development. Bringing 3 years of rigorous experience in both full stack and native mobile environments, he joins byte Brilliance to spearhead the native application build for our flagship product, LutealShield. Neo is deeply passionate about building accessible, scalable applications that bridge complex backend logic with seamless user experiences.

STACK: MEAN, MERN, React-Native, .NET, Java, Spring Boot

Technical Stack & Infrastructure

Domain	Technologies	Application Focus
Data Science	Python, SQL, Pandas, Scikit-learn	Predictive modeling, analytics
Web Architecture	React, Tailwind, HTML5/CSS3	Scalable platforms, UI/UX
Visualization	Tableau, Matplotlib	Business intelligence dashboards



FLAGSHIP PRODUCT: LUTEALSHIELD

LutealShield: Award-Winning Engineering

Our capability as an agency is best demonstrated by our proprietary flagship software, **LutealShield** (www.lutealshield.co.za). Built entirely in-house by byte Brilliance, LutealShield is a revolutionary FemTech application designed to predict and manage the physiological and cognitive impacts of the Luteal phase (PMDD) for high-performing women.

LutealShield utilizes advanced algorithmic tracking to shift users from reactive symptom management to proactive, data-driven lifestyle architecture. The platform's success in the market proves byte Brilliance's ability to take a complex real-world problem and engineer a seamless, highly marketable digital solution.

2nd Place

Geekulcha Hackathon

Recognized nationally for technical excellence and innovative application of data logic.

R300M+

FemTech TAM (ZA)

Positioned in a rapidly expanding Total Addressable Market for women's health analytics.

STRATEGIC BACKING & FUNDING

Because of the robust architecture and clear market viability of LutealShield, the project has secured exclusive development support and funding from industry giants **Telkom** and **Box Fusion**. This backing serves as a testament to the enterprise-grade quality of code and strategy produced by byte Brilliance.

Why Hire byte Brilliance?

When you commission byte Brilliance for your web development or data needs, you are not hiring standard freelancers. You are partnering with the same award-winning, corporately-backed engineering minds that built LutealShield. We bring this exact level of rigor, market-readiness, and brilliant design to every client project we touch.