

Machine learning and AI-driven tools. From conversational apps to model-backed features.

## EDUCATION

### Stellenbosch University

Jan 2026 – Present

BSc (Mathematical Sciences) — Focal Area: Applied Mathematics

- Majors: Applied Mathematics, Computer Science

## PROFESSIONAL EXPERIENCE

### Freelance Website Design & Development

Feb 2024 – Present

- Designed and developed 10+ websites for small-to-medium businesses, owning each project end-to-end (client communication, design, development, deployment).
- Applied SEO techniques that ranked multiple client sites on the first page of Google for targeted keywords.

## PROJECTS

### Study Activity Dashboard

2026

*FastAPI, PostgreSQL, Docker, React, TypeScript, TanStack Query, Google Gemini API*

A full-stack internal dashboard that reads student study activity from Postgres and presents per-student stats, a gap-free 14-day activity chart, and an LLM-generated "at a glance" summary.

### AI Budget Coach

2026

*Next.js, TypeScript, Supabase (PostgreSQL), Google Gemini API*

A full-stack budgeting web app that turns income and expenses into interactive charts and AI-generated financial insights, with secure per-user data.

## TECHNICAL SKILLS

**Tools:** Docker, Git, Google Gemini API, PostgreSQL, REST APIs, Supabase

**Frameworks:** FastAPI, Pydantic

**Concepts:** LLM Prompt Engineering

**Languages:** Python, SQL