

# Kriven Govender

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## EDUCATION

### University of KwaZulu-Natal (UKZN)

*Bachelor of Science in Computer Science and Information Technology*

- Dean's Commendation (First Year), Weight Average: 70%

**KwaZulu-Natal**

2022-2025

### University of KwaZulu-Natal (UKZN)

*National Senior Certificate (Matric)*

- 5 Distinctions (A's), 81% Aggregate

**KwaZulu-Natal**

2017-2021

## PROJECTS

### MERN Stack Expense Tracker with Analytics

- Developed a full-stack expense management web application using **MongoDB, Express.js, React.js, and Node.js**
- Added **downloadable Excel reports** for income and expenses using **Multer** and **xlsx** libraries.
- Integrated **real-time analytics dashboards** with charts, date filtering via **moment.js**, and **react-hot-toast** notifications.
- Designed a responsive UI with **Tailwind CSS**, implemented secure **JWT authentication** and **bcrypt.js** password hashing.

### AI Resume Analyzer

- Developed an **AI-powered resume evaluation tool** that analyzes structure, tone, and skill relevance using **OpenAI API** and **Puter.js** for local AI execution, serverless auth, and storage.
- Built a **React + TypeScript** front end with **Vite** for fast builds, **React Router v7** for nested navigation, and **Zustand** for minimal, high-performance global state management.
- Designed a modern, responsive UI using **Tailwind CSS**, featuring real-time resume scoring, user feedback, and error boundaries.

### X Clone (Social Media Platform)

- Developed a full-stack social media application using **React.js, Node.js, Express.js, MongoDB, and Tailwind CSS**.
- Implemented **JWT-based authentication** and **bcrypt.js** password hashing for secure user access and sessions.
- Integrated **React Query** for optimized data fetching, caching, and background updates to enhance app responsiveness.
- Built core social features including **user suggestions, post creation/deletion, likes, comments, and real-time notifications**.
- Enabled users to **edit profiles, upload images via Cloudinary**, and update cover/profile pictures dynamically.
- Followed **MVC architecture** with reusable components and RESTful API endpoints for maintainability and scalability.

### Personal Portfolio

- Want to see more? Explore my **personal portfolio** and GitHub for additional projects, demos, and code samples: [Personal Portfolio](#)

## SKILLS & INTERESTS

### Skills:

- **Languages:** JavaScript | Python | TypeScript | C#

- **Frontend / Frameworks:** React.js | Next JS | Tailwind CSS | Express.js | Node.js
- **Databases:** MongoDB | SQL
- **Other Tools / Technologies:** GitHub | JWT Authentication | REST APIs | Vite | React Router | Zustand | Puter.js | Postman

**Interests:**

- Full-stack web development and AI integrations.
- Sports: Selected for **KZN Under-14 Cricket Team** and made **Shadow Squad in Volleyball (Grade 9)**.
- Hobbies include Gym training and Anime Video Editing.