Zandre Beukes

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Location: Kempton Park, Gauteng, South Africa

EDUCATION

Hoërskool Brandwag– Benoni, South Africa

National Senior Certificate, 2022

- Subjects: Afrikaans Home Language, English First Additional Language, Life Orientation, Mathematics, Computer Applications Technology (CAT), Accounting, Business Studies.

- Achieved Bachelor's Pass.

- Afrikaans Home Language – 76%, English First Additional Language – 81%, Accounting – 82%, CAT – 83%.

Bachelor of Computing in Software Engineering

Belgium Campus iTversity, Kempton Park

Expected Graduation: 2026

Key Modules with Strong Performance:

- Programming (82%)

- Database Development (77%)

- Software Testing (75%)

- Project Management (79%)

- Machine Learning (70%)

- Web Programming (58–61%)

- Mathematics and Statistics (65–77%)

Consistently achieved strong marks in technical and theoretical subjects. Full transcript available on request.

Skills

Programming & Web

- Proficient in **C#, Java, HTML, JavaScript, CSS, Python, SQL, NoSQL**

- Experience with **web development** (front-end and back-end)

- Integrated **Bluetooth functionality** into applications

Platforms & Tools

- Version control with **Git** and **GitHub**

- Development environments: **Visual Studio**, **VS Code**, **Apache NetBeans**, **IntelliJ**, **Anaconda**

Databases & Analysis

- Worked with **MySQL** and **Microsoft SQL Server**

- Competent in **database design**, querying, and relational models

- Exposure to **data analytics** and **basic machine learning**

Soft Skills

- Strong **problem-solving** abilities and logical thinking

- Comfortable with **team collaboration** and **Agile methodologies**

- Quick learner with a passion for **continuous improvement**

Experience

Freelance Graphic Designer

Remote | 2024

- Designed digital content for small businesses and online brands using Canva and PlaceIt
- Projects included designs for sold items and banners.
- Developed a strong eye for clean visual presentation and branding consistency.

Projects & Practical Work

- **Student Web Portal Clone**: Built a prototype system allowing students to log in, view marks, and submit queries using JavaScript and PHP.
- **Desktop App for BC counselling appointment registration and management:** Developed and integrated a prototype GUI built using Java Swing based on MVC architecture, allowing users to manage appointments, available counsellors, and received feedback.
- **Prediction of student marks using machine learning algorithms:** Trained machine learning algorithm to predict whether a student will pass or fail based on inputted information.
- **Event Website:** Designed a prototype website for an event company that displays upcoming events in real time and collects contact information from users with questions, saving to an internal database using mongoose.
- **Braille Display:** Developing a prototype MQTT-based Braille Display running on a Raspberry Pi, providing information from connected IoT devices using Bluetooth.

Seminars & Workshops

- **Introduction to 3D-Printing:** Seminar on the fundamentals, applications, and future of 3D-printing technologies.

- **Low Code Development:** Explored tools and concepts behind building apps with minimal coding.

- **Workplace Awareness:** Attended a professional development session on the effect of substance usage in the workplace and long-term consequences.