RONALD ANDREW LE ROUX

SUMMARY
I am a 21-year-old student at Northwest University. I attended high school at DF Malan in Bellville and grew up in Welgemoed. I am a collaborative and communicative individual who excels under pressure and possesses strong problem-solving skills. My hobbies are playing games, listing and creating music, drawing to develop creative skills, and playing golf(Social).

PROJECTS

Encryption Decryption Project:

Developed a program to encrypt user input and decrypt it using a key to display the original input.

Small Messenger Application:

Designed an application that allows users to send and receive messages, establish connections using IP and ports, and create user groups.

Share2Teach : Open Educational Resource Platform

As part of a collaborative team project, I contributed to the development of the Share2Teach platform, a web-based educational resource application designed to foster global learning accessibility. This project enhanced my technical and project management skills in the following ways: Frontend and Backend Development: Gained experience in implementing secure account creation, document upload functionality, metadata tagging, and analytics for user engagement tracking using modern web development frameworks. Database and Data Management: Worked with relational databases to ensure efficient storage, retrieval, and organization of user data and document metadata. Quality Assurance and Testing: Ensured the system's functionality through rigorous unit testing and implemented error-handling measures for a seamless user experience. Project Collaboration: Followed agile development practices using version control (GitHub) to collaborate with peers and meet project timelines effectively. Security Best Practices: Incorporated data encryption, secure authentication (OAuth2), and role-based access control to ensure system integrity. This hands-on experience solidified my ability to design and deliver scalable, user-centric software solutions.

EDUCATION

National Senior Certificate
- Achieved in 2021
- School: DF Malan High School
- Subjects: Mathematics, Physical Science, Accounting, Information Technology.

Bsc Information Technology
- Currently studying IT at NWU. I am in my third year, expecting to graduate in 2025.

WORK EXPERIENCE

Delivery Driver
- Magic Pizza
- Responsibilities: Delivered orders to customers, maintained delivery schedules, and provided excellent customer service.

Waiter/Bartender
- Bellville Golf Club
- Responsibilities: Served food and beverages, interacted with guests, and ensured a positive dining experience.

SKILLS

- **Experience in programming languages (Python, Java).**
- **Strong problem-solving and analytical skills.**
- **Excellent communication and collaboration abilities.**
- **Experience with web development (HTML, CSS, JavaScript).**
- **Love hate relationship with Azure.**
- **Worked with Supabase**
- **Adaptability and willingness to learn new technologies.**
- **Experience with piano, trumpet, tuba, but mostly saxophone.**