



# Jacobus Koorts

**Student of Bachelor of Science in Information Technology**

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## J. M. Jacobus Koorts

South African

### Current Location

Potchefstroom, North-

West, South Africa.

Mobile in South Africa

Open to remote jobs

Internationally

Home Language: Afrikaans

Other Languages: English

## Hobbies and Personal

### Interests:

Hiking, Camping,

Swimming, Outdoors,

Coding languages

## Personal Attributes:

I am good in team environments

I am an extremely curious person, so I love to learn from as much and many sources possible regarding any topic of interest

## References and

### Certificates:

Available on request

## Introducing Me:

I am nearing the completion of a Bachelor of Science in Information Technology, where I have gained a solid foundation in object-oriented programming concepts and SQL. I am eager to further develop my expertise in these areas and am committed to continuous learning and growth within the industry

## Top Technology Skills:

### Coding Languages:

- C++
- C#
- Java
- Python
- SQL
- Linux

### Operating systems including:

- CPU scheduling, memory management
- page replacement algorithms,
- File systems, Input and output devices, Deadlocks,
- System security; malware and OS protection measures.

### Databases and concurrency control:

I have worked with a group to design a database (conceptual, logical and physical design) and have made ERDs, coded and made queries using SQL.

Artificial intelligence incl– problem spaces and search algorithms, logical knowledge representation and data structures used in search. AI Project: I have worked with a group to design and create an AI that could drive a vehicle within a UNITY environment, we made and navigated roads to a specific destination.

Linux environment and Virtual machines and use both for hobby projects and studies.

Data structures and algorithms with Object Orientated programming (Using Java and C++), Recursion, Sorting algorithms, Binary trees and Hashing to name a few topics.

## Personal Development and Formal Education

North West University

- **2021 to Current: BSC: Science in Information Technology** – Databases(CMPG311), Decision Support Systems 1(CMPG312), Artificial Intelligence(CMPG313), Computer Networks(CMPG315), Advanced Databases(CMPG321), Decision Support Systems 2(CMPG322), Information Technology Developments(CMPG323), Operating Systems(CMPG324), Object Oriented Programming (CMPG211), Apps and Advanced User Interface Programming (CMPG212), Systems Analysis and Design 1(CMPG213), Communication Skills(CMPG214), Information

## Personal Development and Formal Education ...Continued

Security(CMPG215), Data Structures & Algorithms(CMPG221), Data Analytics(CMPG222), Systems Analysis and Design 2(CMPG223), Introduction to computing and programming(CMPG111), Structured Programming (CMPG121), User Interface Programming I (CMPG122), Discrete Mathematics(MTHS225), Basic Mathematical Techniques (MTHS113), Financial Accounting: Elementary Financial Reporting, Partnerships, And Companies(ACCF111), Financial Accounting: Special Topics And Elementary Group Statements(ACCF121), Problem solving for managers(BMAN223), Introduction to Business Management (BMAN111), Descriptive Statistics (STTN111), Introductory Statistical Inference(STTN121), Understand the Natural World(WVNS211), Science and Society(WVNS221)

Ferrum HighSchool KZN

### **2015 to 2019 : Matric 2019**

Academic - Mathematics Core, Afrikaans Home Language, English First Additional, Accounting, Engineering Graphics and Design, Physical Science

Sport – Played 2<sup>nd</sup> team Rugby and Chess