

ZUKISA NXESI

BSc Information Technology | Honours Computer Science (UP)
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PROFESSIONAL PROFILE

Information Technology graduate with a strong academic foundation in software development, system analysis and design, databases, and networking. Currently pursuing Honours in Computer Science at the University of Pretoria, focusing on Artificial Intelligence, Data Mining, Natural Language Processing, and Software Engineering. Motivated, adaptable, and eager to contribute technical skills in a professional environment while continuously expanding knowledge.

EDUCATION

University of Pretoria

Postgraduate / Honours in Computer Science
2026 – Present | **Current Student**

North-West University

Bachelor of Science in Information Technology (BSc IT)
2023 – 2025 | **Graduated**

Mvenyane Senior Secondary School

National Senior Certificate (NSC)
2018 – 2022 | **Completed**

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, C#, JavaScript, CSS, PERN Stack

Databases: MySQL, Database Design & Management

AI / ML Tools: Pandas, NumPy, NLTK

Developer Tools: Git, GitHub, Visual Studio, Code::Blocks

Core Concepts: OOP, Networking, System Design, AI & NLP, Data Mining

Productivity: Microsoft Excel, Word, PowerPoint, Outlook

PROJECTS & PRACTICAL EXPERIENCE

Software & Systems Development

- Developed software systems using Java, C++, and C#
- Designed and managed SQL databases with complex queries
- Applied data structures and algorithms to optimise applications
- Built C# and Java applications using OOP principles
- Simulated and designed computer networks using Cisco Packet Tracer
- Implemented basic NLP pipelines and AI models (COS710 & COS760)

GitHub Projects

- [Click-KOS](#)
- [Student Management System](#)

- [ZukiChat](#)
- [Shopping List App](#)

RELEVANT COURSES & MODULES

North-West University (BSc IT)

- Object-Oriented Programming, Apps & Advanced UI Programming
- System Analysis & Design I & II
- Data Structures & Algorithms, Data Analytics II
- Databases & Advanced Databases, Decision Support Systems I & II
- Artificial Intelligence, Computer Networks, Operating Systems
- Information Security, IT Developments, Discrete Mathematics

University of Pretoria – Semester 1 (Current)

- COS700 – Research Report (Part 1)
- COS710 – Artificial Intelligence I
- COS730 – Software Engineering
- COS760 – Natural Language Processing

University of Pretoria – Semester 2

- COS711 – Artificial Intelligence II
- COS781 – Data Mining
- COS790 – Special Topics in Computer Science

SOFT SKILLS

- Strong problem-solving and analytical skills
- Effective communication and teamwork
- Adaptability and continuous learning mindset
- Time management and attention to detail
- Self-motivated with strong professional ethics

CAREER OBJECTIVE

To obtain an entry-level position, internship, or graduate programme in Information Technology or Computer Science where I can apply my technical skills and gain practical industry experience while contributing to innovative solutions.

REFERENCES

Available upon request.