

SHAYDEN NAIDOO

CONTACT

+27 62 659 5053
u23599236@tuks.co.za

HOME ADDRESS

1043, Crossberry Crescent,
Bushwillow Park,
Greenstone Hill, 1619

GIT HUB

LINKEDIN

Profile

I am a 21-year-old 3rd year student for a Bsc in Computer Science at the University of Pretoria. I have a strong academic record with 4 distinctions in the 2022 NSC Grade 12 examinations, including Mathematics and Information Technology. Skilled at working collaboratively in teams, with proven ability to communicate complex ideas effectively and apply strong analytical and problem-solving skills. Passionate about artificial intelligence, software development, and cybersecurity, and committed to continuous growth and applying innovative solutions to real-world challenges.

EDUCATION

EDENVALE HIGH SCHOOL

-NQF LEVEL 4 **2018 - 2022**

Matriculated with NSC 4 Distinctions
and a bachelor pass

Subjects And Grades

- Mathematics - Level 7
- Information Technology - Level 7
- Business Studies - Level 7
- Life orientation - Level 7
- Afrikaans first additional language - level 5
- English Home language - level 6
- Physical sciences - Level 5

UNIVERSITY OF PRETORIA

BSc Computer Science 2023 - present

2024 NQF Level 6- Completed 2nd year of
Computer Science at the university of Pretoria
recieving an overall percentage average of 60%
across all my modules in my 2nd year of study

EXPERIENCE

JCP MENTOR

2025

Worked as a JCP mentor for JCP 202 at the university of Pretoria , JCP is a community work module that all EBIT Students must take I recieved a 90% for this module at UP.

Job Activites

- Mentoring students on JCP community work requirements and activites
- invigilation of students during JCP week
- ensuring students understand their community works and engage with their community partners

SKILLS

Programming & Development

- Delphi, C++, Python, Java, PHP, Node.js, React.js
- Web development (front-end & back-end)
- RESTful APIs, object-oriented programming

Databases

- University-level knowledge of SQL and relational database concepts
- MongoDB (NoSQL databases)
- Database design, optimization, and management

Cybersecurity & Networking

- Network engineering fundamentals (routing, switching, protocols)
- Digital forensics, web exploitation, cryptography, reverse engineering
- Hands-on experience with CTF challenges (picoCTF, TryHackMe)
- Familiarity with cybersecurity best practices and threat analysis

Artificial Intelligence & Data Science

- Exposure to AI and machine learning concepts from coursework

Soft Skills

- Strong communication and teamwork abilities
- Analytical and critical thinking
- Problem-solving under pressure

CAPSTONE SOFTWARE ENGINEERING PROJECT

University of Pretoria (COS 301).

May 2025 – October 2025

- Completed as part of the final-year Software Engineering module (COS 301) in collaboration with BBD Software (industry partner).
- Designed and implemented a full-stack software application with a team of 4 peers, applying software engineering principles and agile practices.
- Gained real-world industry experience through direct mentorship and collaboration with industry professionals.
- Applied modern technologies across the stack:
 - Frontend: React, MCP (Model-Controller-Presenter pattern)
 - Backend: Python, FastAPI, OpenAPI, OpenAI integration
 - DevOps & CI/CD: GitHub Workflows & Actions, automated testing, version control
 - Cloud Deployment: AWS (hosted and deployed final web application with multiple aws services)
- Delivered a production-ready application, strengthening skills in teamwork, problem-solving, and industry-standard development practices.

ACHIEVEMENTS

- 2022 – Grade 12: Awarded subject prizes in Business Studies, Life Orientation, Mathematics, and Information Technology.
- 2024 – 2nd Year, University of Pretoria: Achieved 2 distinctions in JCP 202 and WTW 285 (Discrete Mathematics, 75% average).
- 2025:
 - Awarded academic bursaries from Telkom, Computershare, and BEE Chambers in recognition of academic excellence and dedication.
 - Placed 2nd in the SanRen Cyber Security Challenge (Qualification Round) representing the University of Pretoria. Competed in CTF-style challenges in digital forensics, cryptography, and reverse engineering.

COMMUNITY ACTIVITIES

SRI SATHYA SAI SEVA PROGRAMS

2013-

PRESENT Participates in monthly community service
Monthly campaigns organised by the sri Sathya Sai Religious group

Activites

- Participating in local feeding programs by the organisation that occur monthly (we provide food and water to the less fortunate in the Johannesburg CBD)
- The Ithembelihle Lsen School movie night program where we assisted children with disabilities and played a movie for them