

Mashudu Nemutudi

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Professional Summary

Computer Science graduate with hands-on experience in **website and web application development**, mobile application development, and ICT support activities. Proficient in Java, JavaScript, Python, SQL, React, React Native (Expo), and Java EE, with practical experience integrating front-end applications with back-end systems and APIs. Strong problem-solving, communication, and teamwork skills gained through agile projects, hackathons, and mentorship roles. Currently completing Work Integrated Learning (WIL) and **seeking an internship or entry-level position** to gain industry experience.

Education

Tshwane University of Technology (TUT), Emalahleni

Diploma in Computer Science

All coursework completed: June 2025

WIL pending for graduation (Graduating 2026)

Major Fields of Study:

Software Programming, Mobile Device Programming, Database Design, System Analysis

Leadership Roles:

- Chairperson, Geekulcha Student Society (2025 – Present)
- Class Representative (2024)

Lwamondo High School, Limpopo

National Senior Certificate – 2021

- Deputy Head Girl (2021)
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Technical Skills

Programming Languages:

Java, JavaScript, Python, SQL, PL/SQL, HTML, CSS

Frameworks & Tools:

ReactJS, React Native (Expo), Java EE (Servlets, JSP), Node.js, Express.js, Prisma, Git

Databases:

PostgreSQL, MySQL, Oracle SQL

Web & Application Development:

Website development, web application development, responsive design, API integration, MVC architecture, CRUD operations

Other Skills:

Technical documentation, basic ICT troubleshooting, UML diagrams, version control, teamwork, mentoring

Work Integrated Learning (WIL) Experience

Frontend Developer Intern (WIL)

July 2025 – December 2025

- Developed and maintained **websites and web applications** using ReactJS and modern frontend practices.
 - Built mobile applications using React Native (Expo).
 - Integrated frontend interfaces with backend systems and APIs.
 - Participated in agile planning, design, development, testing, and debugging.
 - Presented progress and prototypes during Show and Tell sessions with stakeholders.
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Projects & Practical Experience

Scrum Master – Mash / MAISH Hackathon

- Led sprint planning, daily stand-ups, and task coordination.
- Supported DevOps activities and ensured successful deployment.

- Managed collaboration, timelines, and agile workflow.

MediFile App – Health Record Management System

- Developed a secure full-stack **web application** using Java, ReactJS, and PostgreSQL.
- Integrated REST APIs for frontend–backend communication.
- Implemented authentication and responsive UI design.

AgriVision User Management Dashboard

- Developed CRUD functionality for a **web-based dashboard** using Java EE and MVC architecture.
- Deployed on GlassFish with UML diagrams and documentation.

Library Project – Mobile Application

- Designed low- and high-fidelity prototypes.
- Developed and integrated Leave Request, Notification, Schedule, and Admin Dashboard pages.
- Debugged and tested integrated features.
- Presented the application to stakeholders.

UbuntuExplorer WebApp (G20 Hackathon)

- Contributed to the design and development of a collaborative **web application**.
- Gained experience in system design and team-based development.

KhulumaNathi Chatbot

- Developed a Python-based chatbot integrated with the Vula-Vula API.
- Focused on user interaction and practical problem-solving.

Certifications & Training

- Java Fundamentals – Code with Mosh
- HP LIFE: IT for Business, Effective Presentation, Cybersecurity Awareness

- freeCodeCamp: Responsive Web Design, JavaScript Algorithms & Data Structures, Frontend Development Libraries, Relational Database, Backend Development & APIs
 - Scrum Master Training
 - AI Student Workshop (Attendance)
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Hackathons & Events

Geekulcha Annual Hackathon • MAISH Hackathon (Scrum Master) • Vulavula API Hackathon • Ayoba Business Chat Hackathon • TelkomLearn Hackathon • SMU Digital Health Hackathon • G20 Tourism Hackathon • FNB App of the Year Hackathon (Support Role)

Mentorship & Community Engagement

- **Mentor – Kidathon:** Guided learners in programming fundamentals, teamwork, and digital creativity.
 - **Mentor – Telkom 10x Hackathon:** Supported youth developers in coding and collaboration skills.
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References

Available on request.