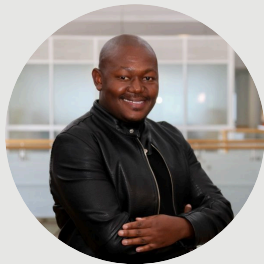# Mangaliso Maduna

Software Engineer

✉ mangaliso.maduna95@gmail.com

📞 0719580444

📍 20 Anderson Street, Johannesburg

in https://www.linkedin.com/in/mangalisom/

🔗 https://mangaliso-maduna.github.io/portfolio/

🪪 PROFILE

I am Passionate about scientific problem-solving and data-driven engineering. Seeking an environment that leverages analytics and modern technology to tackle complex challenges. Proficient in computer science, statistics, and mathematics. Skilled in data analysis, processing, modeling, and generating actionable insights.

🎓 EDUCATION

Bachelors of Science (Hons) in Software Engineering
Bahcesehir University ⧉
08/2017 – 10/2021

Masters in Applied Data Sciences
University of Johannesburg ⧉
01/2024 – present

📜 CERTIFICATES

- Microsoft Certified: Azure Fundamentals ⧉
- Full Stack Web Development for 4IR
- Engineering Business Systems for 4IR
- 4IR Technologies Bootcamp
- Agile Rapid Skills Acquisition

⚒ REFERENCES

Linda Maphisa, UJ Business School
maphisaxolani13@gmail.com, +27638164021

Tatenda Katsumbe, UJ Business School
tatendak@uj.ac.za, +27763391382

Mpho Nkadimeng, UJ Business School
mnkadimeng@uj.ac.za, +27606556923

💼 PROFESSIONAL EXPERIENCE

ABT Telecoms
Lead Software Engineer & Mentor
11/2024 – present | Sandton, South Africa
- **Tech Stack:** Python (Django), HTML5, CSS, React
- **Methodology:** Agile
- Lead the development team, overseeing the architecture, design, and implementation of scalable software solutions.
- Mentor and provide technical guidance to full-stack developer interns, ensuring best practices in coding, debugging, and system design.
- Conduct code reviews and technical workshops to enhance the team's proficiency in full-stack development.

UNIVERSITY OF JOHANNESBURG BUSINESS SCHOOL
Software Developer
10/2022 – 10/2024 | Johannesburg, South Africa
- **Tech Stack:** Python (Django)
- **Methodology:** Agile
- Working with software development and testing team members to design and develop robust solutions to meet client requirements for functionality, scalability, and performance.
- Participate in architecture, design, and implementation of backend features using Python (Django).
- Actively contribute to cutting-edge research, ensuring excellence and innovation in our solutions.

UNIVERSITY OF JOHANNESBURG
FULL-STACK WEB DEVELOPER INTERN
03/2022 – 10/2022 | Johannesburg, South Africa
- **Tech Stack:** Python, JavaScript, HTML5, CSS3, Flask, Bootstrap, Machine Learning (ML), Artificial Intelligence (AI)
- **Methodology:** Agile
- During my tenure, I took on the primary responsibility of leveraging cutting-edge 4IR technologies, including Machine Learning and AI, to develop state-of-the-art web-based applications. This experience allowed me to acquire comprehensive knowledge and expertise in these advanced technologies. Notably, I spearheaded the development of a Python-based churn management system, a sophisticated web application showcasing my proficiency in applying these technologies.

TUVISAI
PYTHON DEVELOPER INTERN
06/2021 – 08/2021 | Istanbul, Turkey
- **Tech Stack:** Python, Optical Character Recognition (OCR), SQL
- **Methodology:** Agile
- Developed game models using Optical Character Recognition (OCR) Technology to extract game information for organizing and maintaining e-sports tournaments.
- Collaborated with peers to identify and resolve issues, analyzed source code, and built databases for web applications

🧠 SKILLS

- Languages: SQL, HTML5, CSS3, JavaScript, Python
- Frameworks/Libraries: NodeJS, Express, Django, Flask, Bootstrap, NumPy, Pandas, Matplotlib, Seaborn, Plotly, Scikit-learn, TensorFlow, PyTorch
- Tools/Technologies: Microsoft SQL Server, MySQL, Git, MongoDB
- Others: Strong problem-solving abilities, algorithmic thinking, results-oriented, resilient, leadership skills, proficient in version control systems