

Malusi Thandolwethu Nathan Nkosi

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Aspirational Title

Aspiring AI / Machine Learning Engineer

Software Development graduate and current Software Engineering student with a growing focus on Artificial Intelligence and Machine Learning. Experienced in building full-stack and cloud-based applications while developing projects that integrate automation, data processing, and intelligent systems. Passionate about applying AI to solve real-world problems and building scalable software solutions.

EDUCATION & CERTIFICATIONS

Tertiary Qualifications

BSc Software Engineering – Eduvos Private University – 2025–2028

Higher Certificate in Information Systems (Software Development) – Eduvos – 2024 (Completed)

Certifications

AWS Introduction to Generative AI (Completed)

AWS Cloud Practitioner – In Progress

Microsoft Certified: Azure Fundamentals – In Progress

TOOLS & TECHNOLOGIES

Programming Languages: C#, Java, JavaScript, Dart, Delphi

Frameworks: .NET, API Development

Google/Microsoft Suite

Other Software & Tools: AWS, MySQL, SQL Server, Git, Linux, Docker (Beginner), CI/CD Pipelines

AWARDS & HONORS

Portfolio Projects Demonstrating DevSecOps and Cloud Engineering Skills

Strong academic performance in Software Development and Engineering coursework

PROFESSIONAL EXPERIENCE

Personal Software Engineering Projects | Durban

Software Engineering Student & Independent Developer

Building portfolio projects focused on secure software development, cloud engineering, and DevOps practices to demonstrate practical engineering capabilities.

Project 1: AI Resume Analyzer

AI-powered system that analyzes resumes and matches them with job descriptions using JavaScript and NLP concepts. Automates skill extraction and job matching to improve hiring insights.

Project 2: Secure Task Manager

Security-focused task management application built with C# demonstrating DevSecOps practices, automated testing, and CI/CD pipelines.

Project 3: Banking Application

Full stack banking system using AWS, MySQL, and .NET designed for secure transaction handling and scalable backend architecture.

Project 4: Portfolio Websites

Multiple personal portfolio sites built with HTML, SCSS, and GitHub deployments demonstrating responsive design and version control workflows.

Aurora Medical Practice | Durban, South Africa
Data Capturer (School Holiday Role) | 1.5 Months

Responsible for capturing and managing patient data and assisting with improving administrative workflows within the practice.

Process Automation Assistance:

Assisted in improving and partially automating data capturing processes to reduce repetitive manual entry and improve record accuracy.

Medical Data Management:

Captured and maintained patient records while ensuring confidentiality and accuracy of sensitive medical information.

References

Available upon request