

ASAVELA INDIRA NGESI

Postgraduate Student in Engineering & Technology Management

Aspiring Technical Project Manager

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SUMMARY

Postgraduate Engineering and Technology Management student with proven experience in operations strategy, people analytics, and project execution. Demonstrated ability to lead cross-functional teams, optimize processes, and leverage data-driven insights to solve complex operational challenges, backed by direct exposure to Amazon's fulfillment operations strategy. Skilled in stakeholder communication, timeline tracking, and resource management across multidisciplinary environments. Seeking an Internship to drive operational excellence, lead dynamic teams, and continuously improve process efficiency.

SKILLS

Design & Technical: Forma, AutoCAD, Revit, multi-discipline model coordination, conceptual design drawings, construction documents, construction methods, building codes (SANS 10400), cost estimation, fee estimation

Project Execution: milestone & timeline tracking, resource assignment, budgeting, forecasting, technical documentation, site research, data reporting, stakeholder liaison scheduling

Tools & Platforms: Asana, SAP/HANA, Microsoft Excel/Word/PowerPoint, Canva

Core Competencies: attention to detail, time management, adaptability, initiative, problem-solving, cross-team communication

EDUCATION

Postgraduate Diploma in Engineering and Technology Management | University of Pretoria, Expected 2026–2028

- **Core modules:** Technology & Innovation Management, Techno-Economics, Systems Thinking & Engineering, Project Management, Business Intelligence Management, Applied Operations Management, Risk & Quality Management, Applied Entrepreneurship, Practical Maintenance Management, People, Leadership & Communication

Bachelor of Science in Architecture | University of Pretoria, 2025

- Dean's Merit Award — top academic performer in the faculty.
- Faculty Prize: Highest undergraduate mark in Design Communication.
- Golden Key International Honour Society (top 15% globally).

Certified Associate in Project Management (CAPM) — Exam Preparation Course | Technical Institute of America / 2026

- **PMI CAPM Core Content:** Project Management Fundamentals & Core Concepts, Predictive/Plan-Based Methodologies, Agile Frameworks & Methodologies, Business Analysis Frameworks

PROJECTS

Team Architectural Designer for Buildathon / Modena Autodesk, 2026

- Achieved Top 20 status internationally and ranked number 1 in Africa.
- Acted as team architect in a multi-disciplinary international BIM competition, co-leading building design decisions directly with MEP engineering team members using Autodesk Forma and Revit.
- Coordinated model handoffs and design intent across architecture and engineering disciplines under competition deadlines.

Stage 1.0 Project Inception Report — Practice Management | University of Pretoria, 2024

- Produced Stage 1 inception report covering site analysis, zoning compliance (SANS 10400), accommodation schedules, and fee estimation for a simulated client engagement.
- Defined project scope, deliverables, and stakeholder responsibilities using the SAIA Client/Architect Agreement framework.

Team Lead, Community Relief Project | Joint Community Projects, 2020

- Led a remote team to produce and distribute 200+ masks and sanitisers across 5 NGOs during COVID-19, meeting all delivery deadlines.
- Managed project budget and resource planning, tracked expenditures in Excel, and delivered financial reports to stakeholders.
- Designed and presented visual progress summaries to stakeholders.

Team Member, Green Wash Machine Project / *National Sustainability Competition, 2019*

- Coordinated a community sustainability initiative for 50-100 residents, aligning project goals with UN SDG benchmarks.
- Conducted site visits, assessed community needs, and reported impact and findings to project leadership.

WORK EXPERIENCE

Remote Extern, Operations Strategy and People Analytics | Amazon USA, 2026

- Analysed associate feedback data in Python to identify key engagement trends and operational bottlenecks, informing targeted retention strategies and shift workflow optimisations.
- Executed data-scraping and natural-language-processing workflows to extract actionable patterns from high-volume employee feedback datasets, supporting data-driven decision-making.
- Delivered strategic recommendations to optimize fulfillment operations, standard work processes, and early-tenure associate onboarding across fulfillment centers.

Proposal Generation Job Simulation | EAB on Forage, 2026

- Drafted and iterated on a high-impact university partnership proposal, incorporating strategic research and institutional priorities to align with stakeholder needs.
- Translated client discovery insights into customised, outcomes-focused proposal content, demonstrating understanding of phased implementation models, ROI framing, and EAB's Value Selling principles.

Remote English Teacher | Love English Thinking, Beijing, China, 2025

- Planned and delivered 250+ lessons, tracked learner progress in Excel, and reported outcomes to school leadership.
- Adapted delivery for different audiences, strengthening communication and stakeholder-facing presentation skills.

Administrative Assistant | Walter Sisulu University, 2020 - 2021

- Coordinated academic operations for 50+ students across e-learning platforms, managing course materials and assignment deadlines.
- Maintained digital filing systems for academic records, ensuring version control and access procedures for faculty and students.
- Facilitated systematic communication between lecturers and students across multiple channels.

VOLUNTEERING:

Central and Cambridge Baptist Church | Team Member, 2022 - 2026

- Coordinated Games Day events attended by 100+ participants, managing logistics and activity stations
- Created structured content schedules and materials (bulletins, slides, workbooks) aligned to weekly programme goals
- Produced media content, including photography and graphic design materials, to support community outreach campaigns.
- Supported weekly soup kitchen operations on Tuesdays to assist local community welfare initiatives.

CERTIFICATIONS & SHORT COURSES

- Google Project Management Professional Certificate — Google Career Certificates, [2025]
- Revit 2022 Essential Training — LinkedIn Learning
- Excel for Project Management — Project Management Institute
- Asana Foundations, Workflow Specialisation & Admin (Asana Academy)
- SAP/HANA Fundamentals (LinkedIn Learning)

LANGUAGES:

- **English:** Native Proficiency
- **Afrikaans:** Limited Working Proficiency
- **Xhosa:** Intermediate Proficiency
- **German:** Elementary Proficiency
- **Japanese:** Introductory Proficiency