JEZELEI MANANGAN

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SUMMARY

Product and Data Analyst with 2+ years of applied experience in ESG research, carbon market analysis, and geospatial climate risk modelling. Experienced in building clear analyses, dashboards, and research outputs that help teams understand complex sustainability and climate data across policy, finance, and operational contexts.

EDUCATION

SINGAPORE MANAGEMENT UNIVERSITY   **Aug 2022 – Dec 2025**
BSc (Information Systems), Major in Business Analytics
- *Growth & Partnerships Director*, **Bridges for Enterprise** | *Marketing Director*, SMU AI
- Relevant Coursework: Climate Change, Digital Business Transformation, Visual Analytics, Topics in Finance (Derivatives Trading), Linear Algebra for Programming

EXPERIENCE

DIGITAL EDUCATION COUNCIL   **Jun 2025 – Aug 2025**
Research Analyst
- Conducted applied research on AI adoption, ESG strategy and digital governance across 100+ universities.
- Built Excel and Tableau dashboards to synthesise survey and market datasets into executive-level insights.
- Performed competitive benchmarking to support product and ecosystem strategy recommendations.

THE TRANSMUTATION PRINCIPLE   **Jan 2024 – Aug 2024**
Sustainability Analyst
- Launched ESG research on green software, digital sustainability, lifecycle assessment (LCA), and ESG standards.
- Translated ESG frameworks into client-ready toolkits and product documentation.
- Co-organised the Green.IO Conference (1,500+ participants), managing stakeholder requirements across industry, NGOs, and sponsors.

NATIONAL VOLUNTEER & PHILANTHROPY CENTRE   **May 2023 – Aug 2023**
Intern, Product Management (Digital Innovation Office)
- Supported Agile product lifecycle across SIT, Pre-UAT, and UAT using JIRA.
- Conducted user feedback analysis and usability testing to refine digital platform features.
- Enhanced UX-driven change management through content design and stakeholder communications.

PROJECTS

CARBON CREDITS ANALYSIS   **Oct 2025 - Present**
Analyst, Full-stack Developer
- Delivered a Voluntary Carbon Markets analytics solution using Berkeley Data Analysis methods, aggregating registry data from Verra, Gold Standard, CAR, and ACR via Supabase.
- Built React + TypeScript dashboards to quantify credit issuance/retirement trends, benchmark projects, and surface insights for stakeholder reporting.
- Developed evidence-based recommendations grounded in ICC 2024, World Bank Carbon Pricing Report, Carbon Registry Standards.

FLOOD RISK & URBAN ACCESSIBILITY CAPSTONE   **Jan 2025 – Nov 2025**
Project Lead
- Led end-to-end delivery of a geospatial climate risk analytics platform using Python (GeoPandas), PostgreSQL/PostGIS, and Supabase, integrating multi-source hazard, infrastructure, and accessibility datasets.
- Designed and implemented Hazard–Exposure–Vulnerability (HEV) and service accessibility indices to quantify flood-driven disruption to urban amenities and transport networks.
- Built an interactive web mapping frontend using React, Leaflet, and Mapbox to translate complex geospatial outputs into decision-ready dashboards for non-technical stakeholders.

ALTERCOP30   **Aug 2024 – Nov 2025**
Website Developer Lead
- Directed UX and website development for a regional climate conference across 10+ countries.
- Designed in Wix and progressively enhanced with custom code.
- Applied marketing analytics, SEO optimisation, and engagement tracking.

SKILLS & INTEREST

- Tools: Microsoft Suite (PowerPoint, Excel), Python, QGIS, R, SQL, Tableau, Salesforce
- Skills: GHG accounting and NbS Carbon Analysis, ESG Frameworks, technical research and reporting
- Interests: Carbon finance, marine conservation, swimming