Lorraine Sanares

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EDUCATION

University of Melbourne   **Melbourne, VIC**
Bachelor of Science, major in Data Science.   Dec 2025
Relevant Coursework: Machine Learning, Artificial Intelligence, Linear Statistical Models, Database Systems, Algorithms and Data Structures, Statistics, Elements of Data Processing, Probability for Statistics
Awards: Kwong Lee Dow Young Scholar

WORK EXPERIENCE

Deloitte   **Melbourne, VIC**
Engineering, AI & Data Intern   11/2024 – 12/2024

- Built a scalable AWS data pipeline for a financial institution using Python (PySpark, Airflow), AWS services, and Docker, automating ingestion and orchestration with Airflow DAGs, and decreasing manual intervention by 80%.
- Secured pipeline authentication and access by implementing IAM roles and AWS Secrets Manager, resulting in robust access control and encrypted credential storage.
- Created client-facing documentation and presentations using PowerPoint and Word to clearly communicate technical workflows, leading to a reduction in onboarding time for stakeholders.

TECHNICAL PROJECTS

Club Analytics Dashboard
Lead Developer & Designer   02/2025 – 03/2025

- Built a Streamlit dashboard for a university tech club integrating REST API's, reducing manual data search time by 90% and delivering key analytics to industry sponsors.
- Developed a predictive model for event attendance, optimising scheduling and resource allocation.
- Analysed survey sentiment and created visual insights, improving stakeholder decision making.

Portfolio Website
Personal Project   01/2025 – 02/2025

- Built a website using TypeScript and Next.js displaying projects, achievements, and links to other online platforms.
- Designed a responsive UI with Figma and Tailwind CSS, ensuring optimised user experience across devices.
- Deployed with AWS S3, CloudFront and Vercel, enabling continuous deployment and fast load times.

Athletic Performance Dashboard
Personal Project   06/2024 – 07/2024

- Built a dashboard using Python, Plotly and CSS to analyse running performance trends from Strava and Apple Health data.
- Trained a time series forecasting model employing scikit-learn to predict future race pace from past data trends.

LEADERSHIP & ACTIVITIES

Women in Tech Unimelb (WIT)   **Melbourne, VIC**
Education Director   09/2024 – Present

- Led a team of 5, organising meetings, delegating tasks, and coordinating workshop planning for learning initiatives.
- Delivered 3+ workshops, incorporating industry insights by collaborating with students, professionals, and sponsors to improve student knowledge and career readiness.

Data Science Student Society (DsCubed)   **Melbourne, VIC**
AI Engineer   03/2025 – Present

- Enhanced LLM reasoning for function calls by refining prompt engineering and tool descriptions in Python, increasing the accuracy of selecting the right tool for user queries by 20%.

SKILLS AND INTERESTS

- **Applications:** GitHub, Tableau, PowerBI, Figma, R Studio, WordPress, Microsoft Excel, DataBricks
- **Skills**: Python, SQL, R, C, CSS, React.js, Next.js, Streamlit, Pandas, NumPy, Scikit-learn, Git
- **Interests**: Marathons, Data Engineering, LLM's and Automation Agents, UX/UI design