NIRJANA SHRESTHA

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EDUCATION

Melbourne Institute of Australia, *Master of ICT Research* | Sydney, NSW   March 2024- Present
- **Relevant Coursework**: Mathematical and Statistical Methods, Data Science, Artificial Intelligence

Kent Institute of Australia, *Bachelor of Information Technology* | Sydney, NSW   March 2019- December 2021
- **Relevant Coursework:** Data Structure and Algorithm, Operating System, Object Oriented Design and Programming

WORK EXPERIENCE

Mobility Deployment Engineer - **Qantas**, *Mascot, NSW*   April 2023- November 2023
- **Configure Mobile Devices**: Implemented organizational policies and security standards on mobile devices to ensure data protection and compliance.
- **Install and Manage Device Profiles**: Set up and maintained device profiles, settings, and applications to align with organizational requirements and user needs.
- **Provide End-User Training**: Conducted training sessions to educate users on the proper use of mobile devices and applications, promoting efficiency and security awareness.
- **Offer Technical Support**: Addressed user-reported issues by providing timely troubleshooting and technical assistance, ensuring the smooth operation of mobile devices and applications.

Advance On-Site Technician - Coca-Cola, *Northmead, NSW*   November 2022- March 2023
- **Upgrade Management**: Coordinated and executed upgrades for end-users, ensuring smooth transitions.
- **Hardware Maintenance**: Diagnosed and resolved hardware issues, optimizing workstation performance.
- **Data Backup and Deployment**: Back up user data and managed the rollout of system environments, ensuring consistency and data integrity.

ACADEMIC PROJECT

- **Sydney Property Market Analysis**: Analysed Sydney Property dataset to understand factors influencing property prices and suburbs, performing data cleaning, data reformatting, identifying outliers and visualisation. Used Python and machine learning to predict the price of the Sydney property in coming years.

- **Detection of IED in dustbin using Vision Transformer:** Utilised vision Transformer and pre trained model to achieve a 97% accuracy in identifying Improvised Explosive Devices (IEDs) found in dustbins. Accomplished through a series of advanced machine learning techniques, including data pre-processing, patch embedding, patch encoding, Transformer Encoder application, and classification head development.

- **St. Lazarus Serbian Orthodox Church**: Led a team of six to build a user-friendly website for St. Lazarus Serbian Orthodox Church using HTML, Java, JavaScript, WIX, and CSS.

SKILLS

- **Technical Skills**: Python, PyTorch, NumPy, SciPy, Matplotlib, sci-kit-learn, Torch, Excel, Power Bi, SQL, Tableau, Mac OS X, iOS, SQL Server, MS Office 365,
- **Soft skills**: Customer Service and analytical skills, Strong problem-solving abilities, Communication both written and verbal, Report writing, Face-to-Face Interaction, Teamwork and Leadership.

REFERENCE

Tammy Sheridan	**Wirawan Harianto**
(Project Coordinator, Qantas)	(Cyber Incident Responder & Threat Intel Manager, Qantas)
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