

# Lukita Iswara

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Portfolio: <https://lukisky.github.io/Portfolio/>

**Location:** Sydney, Australia

## Career Summary

- AI/ML Expertise: Proficient in Artificial Intelligence, Machine Learning, Deep Learning, and Computer Vision, with practical experience in AI for image detection and optical character recognition.
- Programming & Frameworks: Strong command of Python (7 years experience), complemented by TensorFlow (3 years of experience in developing and implementing AI models and applications).
- Full-Stack Development: Experienced in full-stack programming, including back-end (Java, PHP, C#, Kotlin, SQL, MySQL) and front-end (HTML, CSS, JavaScript, Unity) development.
- Data & Analytics: Solid foundation in data mining and analytics, with an interest in working with data to drive system development.
- UI Design: Skilled in designing user interfaces and user experiences using Figma, focusing on creative, intuitive, and user-friendly designs.

## Projects

- ID Card Reader: Developed a system to read and extract data from identity cards (ID cards), implementing Optical Character Recognition (OCR)/smart-card reading functionality, with 90% accuracy.
- Emotion Classification for Chatbot: Built a text-based emotion classifier utilising classical ML (Naïve Bayes & Support Vector Machine (SVM)), feature-extraction, and evaluated on a six-emotion dataset with metrics accuracy, F1-score, and Area Under the Curve (AUC), and achieved 90% accuracy on classification.
- Australian Airports TSP Optimisation: Solved a Travelling Salesperson Problem (TSP) variant over Australian airports, deploying heuristic search (hill climbing) and genetic algorithms, optimising for shortest total route and performing a 50% improvement in route efficiency for the TSP solution.
- AQI Prediction (Decision Tree & Random Forest): Built a model to predict the Air Quality Index leveraging decision tree and random forest regressors; performed data cleaning, feature engineering, and evaluated performance operating regression metrics, achieving 99% classification accuracy.

## Experience

### **UI Designer, Web and App Developer Freelancer**

**May 2025 - Present**

#### **Self-Employed**

- Designed and developed a responsive, custom web application from scratch using ReactJS 19.2, incorporating reusable components, state management (React Hooks/Context API), and API integrations for dynamic content rendering.
- Delivering end-to-end projects from UI/UX design to front-end development, ensuring user-centric and visually polished results, led to a 50% boost in customer views.
- Collaborated with 5+ businesses including Hilton Parkes, PLCE, Shalom Indonesia, etc, with positive feedback.

### **App Developer**

**January 2024 - January 2025**

#### **PT APIKKO, Indonesia**

- Engineered comprehensive full-stack solutions, including robust back-end systems, intuitive front-end interfaces, and seamless API integrations, improving application performance and boosting user satisfaction by 40%.
- Developed advanced AI solutions for image detection and OCR, automating administrative input validation, increasing data accuracy by 90%, and preventing potential data corruption.

- Launched a user-centric E-commerce platform, creating a new direct sales channel, expanded market reach by 60% and increased revenue opportunities.
- Built a secure and highly efficient transaction application, enabling reliable money transfers and strengthening financial operational integrity, resulting in a 50% reduction in transaction errors.

**Web Developer Intern  
PT APIKKO, Indonesia**

**September 2022 - November 2022**

- Optimised website backend architecture, streamlining customer transactions and reducing processing time by 35%, enhancing overall user satisfaction.
- Revamped website design and user interface, building intuitive layouts and visually engaging graphics, boosting user engagement by 50% and improving customer retention.

**Education**

**Master of Artificial Intelligence  
University of Technology Sydney**

**February 2025 - March 2027**

Relevant Coursework: Computer Vision, Natural Language Processing, AI, Machine Learning, Deep Learning, Reinforcement Learning, Data Analysis, Data Visualisation  
WAM: 87.25

**Bachelor of Information Technology  
Universitas Surabaya, Indonesia**

**August 2019 - August 2023**

- Relevant Coursework: Computer Vision, Natural Language Processing, UI/UX, Human Computer Interaction, Mobile Programming, Web Programming, DSA

**Extra Curricular Activities**

**President**

**August 2025 - Present**

**UTS Project Society, Sydney**

- Lead a new 100+ member society focused on project-based learning and professional development.
- Oversee Discord server of 100+ members and creating Instagram content with 405+ Instagram views.
- Collaborate with 10+ startups as sponsors to provide members knowledge about industry.

**Social Worker**

**August 2019 - December 2024**

**Tzu Chi Foundation**

- Facilitated direct delivery of vital aid supplies, revamping access to essential resources for underprivileged communities.
- Provided compassionate and efficient distribution of food, medical supplies, and financial assistance, directly enhancing recipient experience and stability for 100+ people.

**Referees**

Referees available upon request