

## EXECUTIVE SUMMARY

Goal-driven AI & Analytics student with a fervent passion for machine learning and a strong foundation in programming languages like Python and JavaScript, specializing in machine learning and data analysis. Proven problem-solving skills demonstrated through hackathons and entrepreneurial spirit with an ongoing tech startup venture, GroceryGO. Eager to apply my technical expertise and learn in a dynamic team. Actively seeking internship opportunities to contribute to innovative tech projects.

## TECHNICAL COMPETENCIES

FRONTEND	BACKEND	AI & ML SOFTWARE	DATABASE TOOLS	DEV TOOLS	DESIGN TOOLS
HTML	Node.js	TensorFlow	MYSQL	Git	Tableau
Pure CSS	Express.js	Keras	SQL Server	GitHub	Figma
JavaScript	Python	Scikit-Learn	MongoDB	Postman	Canva
TailwindCSS		OpenCV	PostgreSQL		Adobe Illustrator
Bootstrap		StatsModels			Adobe Photoshop
React Native					Framer

## EXPERIENCE

### KNOCKEDD PTE LTD • WEB DEVELOPER & 3D PHOTOGRAPHER • SINGAPORE

MARCH 2023 – PRESENT

- Worked on web development projects at KNOCKEDD, a real estate agency, by helping design responsive property landing pages and contributing to the development of the company's official website.
- Self-learned about website hosting and connecting back-end databases to online servers for deployment.
- Captured 3D views of properties with Matterport technologies for clients to view immersive virtual property tours.

### TRACESAFE ASIA PACIFIC • IT SYSTEMS SUPPORT INTERN • SINGAPORE

AUGUST 2022 – SEPTEMBER 2022

- Contributed to the production and development of Ministry of Health (MOH) Sensor Gateways during COVID-19.
- Guided and taught a team of Year 3 Polytechnic Interns the SOP to setting up the MOH Sensor Gateways.
- Managed and cleaned huge amounts of technical data, while conducting thorough SIM card testing for gateway device functionality.

## EDUCATIONAL QUALIFICATIONS

### SINGAPORE POLYTECHNIC • DIP. IN APPLIED ARTIFICIAL INTELLIGENCE & ANALYTICS

APRIL 2025

YEAR 2 • DSTA DIGITAL POLYTECHNIC SCHOLAR • EDUSAVE ACADEMIC ACHIEVEMENT AWARD RECIPIENT

**CONCENTRATIONS:** AI & ML, DATA SCIENCE, WEB DEVELOPMENT, DEEP LEARNING, DEVOPS **ELECTIVE:** ENTREPRENEURSHIP TRACK

**RELEVANT ACTIVITIES:** Research & Development Student Ambassador for SOC, SPAI Interest Group, SP Entrepreneurship Club

## NOTABLE HACKATHONS & EVENTS

### BATEY HACKATHON 2023 • SILVER AWARD • GROCERYGO

- Developed & pitched GroceryGO, a functional AI-powered mobile application programmed using React Native, as a GroceryTech startup and secured funding for demonstrating market potential and idea innovation.
- Received support and invitation for onboarding to establish the startup by SP SPiNOFF, SP's Entrepreneurship Centre.

### COMSSA X ASTRO RENAISSANCE HACKATHON 2023 • 1<sup>ST</sup> PLACE • VIEW OUR RESEARCH

- Co-wrote a technical & scientific research analysis on open-set domain adaptation deep learning for image classification of micro-organism sampling on exoplanets (Kepler-62F) to aid in discovering of habitable planets.

### SP ENTREPRENEURSHIP FEST ROCKET PITCH 2023 • 3<sup>RD</sup> PLACE • INCUBATOR STARTUP • @DARIOPRAWARATEH ON MEDIUM

- Founded & designed an AI-enabled mobile app for a GroceryTech startup that improves decision-making for grocery shoppers in Singapore, and streamlining the checkout process.
- Invited to showcase the app to global innovators & investors at SWITCH 2023, Singapore Week of Innovation & Technology.

### POLYFINTECH API 100 HACKATHON 2023 • INSURTECH CATEGORY FINALIST • VIEW ON FIGMA

- Researched, designed a high-fidelity app, CashQuest, to educate Gen-Zs on financial literacy in a fun and educational way.
- Collaborated with 5 banking & finance students to conceptualize a high-fidelity prototype with the metaverse idea, adding personalized in-game avatars, AI-powered chatbots, in-game NFTs and enabled community-sharing gameplay.

## PERSONAL PROJECTS

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### DATA SCIENCE LOW-CARBON ENERGY RESEARCH PROJECT • [VIEW GITHUB](#)

JANUARY 2023 – FEBRUARY 2023

- Researched, and designed graphs to assess the impact of low-carbon energies on emissions and air quality in Singapore.
- Derived insights and recommendations to further improve the environmental conditions in Singapore based on data collected.

### AI BANK CLASSIFICATION MODELING PROJECT • [VIEW GITHUB](#)

MAY 2023 – JUNE 2023

- Analyzed complex data patterns to categorize customers' financial behaviors and risk profiles.
- Assists banks in making informed decisions on risk assessment and lending criteria.

### AI ENERGY CONSUMPTION TIME SERIES MODELING PROJECT • [VIEW GITHUB](#)

JULY 2023 – AUGUST 2023

- Explored historical energy usage data to identify trends, seasonality and data anomalies.
- Provided energy providers and policymakers insights into enhancing energy sustainability efforts.

### BUILDING DEEP LEARNING EMOTION RECOGNITION WITH CNNs • [VIEW GITHUB](#)

AUGUST 2023 – SEPTEMBER 2023

- Built a deep learning convolutional neural network classification model for human emotion recognition.
- Leveraged on TensorFlow and Keras libraries for model analysis and evaluation.

## COMMUNITY INITIATIVES

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### OVERSEAS EXCHANGE PROGRAMME AT PULESARI VILLAGE • YOGYAKARTA, INDONESIA

MARCH 2023 – APRIL 2023

- Co-created salak-based products to boost tourism sales for locals at Pulesari Village, contributing to real-life UN SDG issues.
- Collaborated with multi-disciplinary students from Universitas Pembangunan Nasional (UPN) to research, conduct user interviews and user-testing to solve the problems, while documenting the product design decisions and modifications.

## ADDITIONAL INFORMATION

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**SKILLS :** Adaptable | Quick Learner | Problem Solver | Critical Thinker | Teamwork | Self-Starter | Entrepreneurial Mindset

**ASSOCIATIONS :** Assoc. Member for Computer Science Students Association (ComSSA)

**CERTIFICATES :** Supervised Learning with Scikit-Learn & Intermediate Data Visualization with Seaborn – DataCamp Certified

**INTERESTS :** Studying UI/UX Principles | Web & App Design | Blogging | Data Visualization | Designing Social Media Marketing Content