

# TERRIS TAN

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## PROFILE SUMMARY

Results-driven final-year Information Systems student at Singapore Management University specializing in Digitalization, Cloud Solutioning and Business Analytics with proven expertise in full-stack development, AI implementation, and cloud technologies. Demonstrated track record of delivering enterprise-level solutions at Accenture and KPMG with quantifiable business impact, complemented by competitive programming excellence with multiple hackathon finalist achievements. Seeking full-time internships, graduate programs, or software engineering positions starting January 2026, graduating May 2026.

## EDUCATION

<b>Singapore Management University</b> <i>Bachelor of Science (Information Systems)</i> <ul style="list-style-type: none"><li>Major in Digitalization, Cloud Solutioning and Business Analytics</li><li>GPA: 3.15/4.00</li></ul>	<b>Singapore</b> <b>2022 - Present</b>
<b>Nanyang Polytechnic</b> <i>Diploma in Business Informatics</i> <ul style="list-style-type: none"><li>GPA: 3.73/4.00</li></ul>	<b>Singapore</b> <b>2017 - 2020</b>

## PROFESSIONAL EXPERIENCE

<b>Tax Technology &amp; Transformation Intern   KPMG Singapore</b> <ul style="list-style-type: none"><li>Documented business requirements for tax technology applications, achieving 95% stakeholder approval rate</li><li>Designed and executed end-to-end test scenarios, reducing testing cycle time by 30%</li><li>Developed Generative AI tools for organizational automation, improving process efficiency by 25%</li><li>Supported post go-live activities with 99.5% system uptime maintenance</li></ul>	<b>May 2025 - Present</b>
<b>Frontend Developer   Accenture Southeast Asia</b> <ul style="list-style-type: none"><li>Migrated legacy Java applications to React TypeScript, reducing load times by 40%</li><li>Collaborated with cross-functional teams to deliver production-ready government applications serving 1,000+ users</li><li>Implemented Jest unit testing achieving above 80% code coverage and SonarQube quality standards</li><li>Utilized Jira, CI/CD, and Azure DevOps in enterprise SDLC workflows</li></ul>	<b>May 2024 - Nov 2024</b>
<b>Solution Engineering Intern   Usertip Pte Ltd</b> <ul style="list-style-type: none"><li>Developed React TypeScript applications with Google Analytics integration, tracking 50,000+ user interactions</li><li>Created analytical dashboards using Google Cloud Platform APIs, identifying key consumer insights for 3 applications</li><li>Built Chrome extensions and configured third-party services, improving data collection accuracy by 35%</li></ul>	<b>May 2023 - Aug 2023</b>
<b>Junior Software Engineer Intern   GT Robot Technology Pte Ltd</b> <ul style="list-style-type: none"><li>Developed CMS website using Flask framework, completing 3 projects ahead of 1-month schedule</li><li>Configured Dialogflow NLP for robot intelligence, improving conversation accuracy by 60%</li><li>Prototyped company website redesign, enhancing user experience metrics by 45%</li></ul>	<b>Mar 2019 - Jun 2019</b>

## TECHNICAL SKILLS

**Programming Languages:** JavaScript, TypeScript, Python, Java, Go, C#, PHP  
**Frontend:** React, NextJS, Vue, Redux, HTML, CSS  
**Backend:** NodeJS, ExpressJS, Spring Boot, Flask, ASP.NET  
**Testing:** Jest, Unit Testing, Integration Testing, E2E Testing  
**Cloud & DevOps:** AWS, Google Cloud Platform, Docker, CI/CD Pipelines  
**Databases:** SQL, MongoDB, MySQL, PostgreSQL, Firebase  
**Tools & Methodologies:** Git, Agile/Scrum, Jira, API Development, Microservices, Project Management

## HACKATHON PROJECTS

<b>AI-Powered Public Safety Detection System   HacX! HTX-Microsoft 2024   Semi-Finalist</b> <ul style="list-style-type: none"><li>Developed IoT-based unusual object detection using body-worn cameras and Vision Language Models</li><li>Tech Stack: Computer Vision, IoT sensors, Web Application, Machine Learning APIs</li><li>Solution: Real-time threat detection system for law enforcement with 90% accuracy rate</li></ul>	<b>Oct 2024</b>
<b>Privacy-Enhancing Analytics Platform   TikTok TechJam 2024   SEA People's Choice Awards</b>	<b>Aug 2024</b>

- Built zero-knowledge proof system using Homomorphic Encryption for personalized recommendations
- Tech Stack: Homomorphic Encryption, Blockchain, NextJS, Flask RESTful APIs
- Solution: Simulated TikTok FYP generation while maintaining complete data privacy

#### **Multi-Modal AI Turret Control System | DSTA BrainHack TIL-AI 2024 | Finalist**

**May 2024**

- Developed AI interpreter converting spoken commands into automated turret actions
- Tech Stack: OpenAI Whisper (ASR), BERT (NLP), RT-DETR, CLIP (VLM), Docker, GCP Vertex AI
- Solution: Real-time voice-controlled robotic system with 95% command accuracy

#### **AI Education App| Google Ignite 2023 | Participant**

**Oct 2023**

- Developed Flutter mobile application for self-learning with AI-generated assessments
- Tech Stack: Flutter, Dart, Firebase, PaLM AI, Text-to-Speech, Speech Recognition
- Solution: Interactive learning platform targeting UN Sustainable Development Goals for quality education

#### **Colorblind Assistant| SMU Ellipsis Tech Series 2023 | Most Creative Solution Award**

**Aug 2023**

- Created Progressive Web App solutions for the partially colorblind using advanced color detection algorithms
- Tech Stack: React, TypeScript, TailwindCSS, Computer Vision, Service Workers
- Solution: Real-time color identification and scheme generation for accessibility

#### **AI-Enhanced Learning Platform| SMU .Hack HEAP 2023 | Finalist**

**Aug 2023**

- Built note-sharing platform with integrated AI assistant for educational content generation
- Tech Stack: Vue.js, Flask, Firebase, OpenAI API, React, Vercel
- Solution: Peer-to-peer learning system with automated content creation

## **CERTIFICATIONS**

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- AWS – Certified Solutions Architect Associate
- GCP – Google Professional Machine Learning Engineer
- SMU-Accenture-AWS Cloud Solutions Development Work-Study
- Google Cloud Certified – Cloud Digital Leader
- Google Professional Certificate – IT Automation with Python, IT Support, Cybersecurity, UX Design, Project Management, Business Intelligence, Advanced Data Analytics

## **ACTIVITIES & LEADERSHIP**

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#### **Volunteer & Facilitator | GDG Singapore**

**Aug 2024 - Present**

- Facilitated technical workshops and sessions reaching 700+ developers at DevFest Singapore 2024, contributing to Singapore's largest community-driven tech conference
- Supported Google Cloud & I/O Extended Singapore 2025 event coordination, engaging 200+ technology professionals in hands-on learning experiences with Google Cloud and AI technologies
- Demonstrated commitment to community building through active participation in monthly meetups and networking sessions, fostering collaboration among 4,500+ GDG Singapore members
- Collaborated with industry leaders and Google Developer Experts to deliver cutting-edge technical content on machine learning, cloud computing, and web development frameworks

#### **Technology & Google Developer Group Director | SMU .Hack**

**Aug 2024 - Present**

- Organized and led 11 workshops, fireside chats, and hackathons reaching 300+ students
- Facilitated technical workshops on modern development frameworks and cloud technologies
- Demonstrated commitment to lifelong learning through continuous technology community engagement
- Collaborated with industry partners including Goldman Sachs, Google, UBS, Huawei, Exabytes, and Cyber Youth Singapore

#### **Student Mentor & Workshop Instructor | SMU Ellipsis**

**Aug 2023 – May 2024**

- Instructed programming workshops for 150+ university students across multiple technical domains
- Guided freshmen students through career consultation sessions, providing personalized guidance on information systems career pathways and technical skill development
- Mentored peer-to-peer learning initiatives through Coders Assembly program, supporting academic success and professional development for SCIS students