

# Sithsakorn Jantrakul (Marc)



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## Education

### **Ruamrudee International School**

- AP Courses (Grade 11): Physics I, World History, Precalculus, Computer Science, English Literature, Environmental Science
- AP Courses (Grade 12): Physics II, Calculus BC, Advanced Computer Science, Chemistry, AP English Language and Composition
- Recognized as AP Scholar with Distinction (2025)
- Awarded Griffith Scholarship (2025–26) for Academic Excellence

## Extracurricular Activities & Projects

### **Future of Good Life Project – Founder & Inventor**

- Expanded program from 50 to 150+ farmers (800 acres), boosting yields while reducing methane emissions by 40%
- Forged partnerships with SCG, Siam Kubota, and Thai government agencies; presented innovations at Thailand Rice Fest, Thaifex 2025, and Gulfood 2025 Exhibition.
- Earned Prime Minister Award 2026, Minister's Award (2025), shortlisted for Gulfood Innovation Award (Dubai, 2025), represented Thailand at World Food Forum (Rome, 2025), and shortlisted as Finalist for the 2026 Zayed Sustainability Prize (USD 150,000, Abu Dhabi, 2026)

### **RiceSense – Inventor**

- Engineered low-cost device for real-time water measurement to certify low-carbon rice fields
- Designed user-friendly tool for elderly farmers, reducing reliance on smartphones
- **Awards:** Prime Minister's Digital Award (2024/25), Gold Medal at iCAN (2025), and Thailand New Generation Innovators Award (2025)

### **Safetrak & Wheelchair Lever Kit – Founder & Innovator**

- Invented smart wheelchair with embedded safety sensors; lever system cuts effort needed by ~40%
- **Awards:** Prime Minister Award 2026, Gold Medal at iCAN (2025), Silver Medal at WICO (2025), Bronze Medal at IEI (2025), and Honor Inventor Award (2025)

### **VEX V5 Robotics Team – Founder & Leader**

- Launched and captained independent robotics team across five international schools
- Represented Thailand at the VEX World Robotics Championship 2025 (Dallas, USA)
- **Awards:** National Champion (Excellence Award 2025), Innovate Award (2025), and 2nd Place in High School Tournament (2024)

### **Future of Good Life Book – Author**

- Authored and published book documenting sustainable innovation journey; presented at Bangkok International Book Fair 2025
- Distributed to 10+ schools nationwide; created braille edition, donated 500 copies to schools for blind

## **SJ Scoreboard – Founder & Developer**

- Developed web-based grading system for rural schools lacking formal evaluation infrastructure
- Implemented private student view feature for Father Ray Technological College

## **StemMark – Founder**

- Invented educational STEM toy kits promoting hands-on learning and reducing screen time
- Raised funds through sales to expand initiative and donated kits to underprivileged schools

## **Leadership & Fellowships**

### **Global Citizens Initiative (GCI) Fellow (2025–26)**

- Chosen as one of only 36 global fellows – sole representative from Thailand
- Engaged in intercultural dialogue, ethical leadership, and global problem-solving at St. Andrews, Scotland

### **University Programs**

- UC Berkeley Pre-College Student Ambassador in Computer Science (2024–25)
- University of Delaware Limitless World Summit Ambassador – Emerging Innovator Award (2025)

## **Awards & Honors**

- Zayed Sustainability Prize Finalist (Abu Dhabi, 2026) – USD 150K Global Award
- Prime Minister Award for "Outstanding Thai National Youth who brought Recognition to Thailand" in Innovation Category 2026 (Wheelchair Lever Kit)
- Prime Minister Award for "Outstanding Thai National Youth who brought Recognition to Thailand" in Innovation Category 2026 (RiceSense)
- Minister's Award – Outstanding Thai National Youth in Innovation (2025)
- Prime Minister's Digital Merit Award (2024-2025)
- Gold Medal (x2) & Special Awards (KUIA, TISIAS, and Organizer's Choice), iCAN – International Invention Innovation Competition (Canada, 2025)
- Silver Medal, WICO – World Invention Creativity Olympic (South Korea, 2025)
- Bronze Medal, IEI – International Exhibition of Inventions (China, 2025)
- Honor Inventor Award (2025) – Ministry of Higher Education, Science and Research, Thailand
- Nominated Delegate – World Food Forum (Rome, 2025)
- Thailand New Generation Innovators Award (2025)
- Excellence & Innovate Award, VEX Thailand (2025)
- Qualified for VEX Robotics World Championship (Dallas, 2025)
- CIS Hackathon Finalist (Top 36, 2025) – Chulalongkorn University

## **Skills**

- Programming: Python, JavaScript, Web Development, LLM
- Robotics & IoT: VEX V5, AI & IoT Applications
- Data Analysis & Prototyping: Designed scalable hardware and software solutions
- Languages: English, Thai (Native)
- Leadership: Delivered workshops, keynote presentations, and cross-sector collaborations