# S'pore teens embrace making apps, games

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Some have done well in global contests while others have had their work released on Apple's App Store



**Senior Correspondent** 

Secondary 4 student Jatin Rakesh is the rare teenager who has met Mr Tim Cook.

The famed Apple chief executive briefly interacted with the 16-yearold and other young people earlier in June, during an event at the iPhone maker's annual Worldwide Developers Conference (WWDC). Jatin and selected students around the world spent a few days

at the company's corporate headquarters Apple Park in Cupertino, California, as part of their prize in an annual competition organised The St Joseph's Institution stu-

dent is one of 50 Distinguished Winners – the top-tiered award for this contest, and the only such winner in Singapore – in the Swift Student Challenge in 2025, where participants use Swift, an Apple programming language, to code. The game that Jatin designed

over two months, called Attention

Tractor, addresses the issue of short attention spans. He says he was excited, anxious and honoured to meet Mr Cook. adding that "the other highlight was meeting the other Distin-

guished Winners and Apple engineers, and learning from them". For instance, one of the other space made with Swift – that deals they grow up. with dementia. Jatin had thought it Some local coding courses and

cartoon hamster, come to grips with attention deficiency through CODING COURSE TAKES OFF a series of mini games. These raise awareness about the importance of Jatin, a Singapore permanent

improve one's focus. work or run errands, there are dis- coding language tractions in my environment or on In 2023 when he was in Second-

into an app, but it's difficult. Yet if took part in. the user isn't engaged emotionally, Launched in 2018 by the Info-Swift Explorers was introduced in it's hard for him or her to get into comm Media Development Au- 2022, says Mr Soon. The pro-

United States, Apple engineers it started in 2018, says Mr Soon Yin Mr Soon. by, for instance, adding functional- ny. There were 18 participating petitions probably see app develity and linking it to a mobile app schools in 2018, rising to 35 schools that tracks how many hours of in 2025, he adds. sleep one gets.

ing coding and making iOS and cademy, the education prolike Roblox and Minecraft as a programme where students, from personal learning device."

students, from Germany, had young child, while computer procreated an app playground – the gramming becomes a tool for selfterm used for an interactive coding expression and empowerment as

was too complex a topic to tackle in hacking communities are also seeing a rise in participation by teen-In Jatin's Attention Tractor, users agers, even as schools and enrichhelp the main character Theo, a ment centres offer coding lessons.

sleep and nutrition, and how to resident, took enrichment lessons in block coding at age 11. This Jatin says: "My generation is beginner-friendly approach lets deeply affected by short attention users drag and drop jigsaw-like spans. When I have to do home-blocks of code, instead of typing a

ary 2, Jatin co-created, with three "Not being able to focus can lead other students, an iOS app, Journi- primary school to junior college, to frustration. I wanted to dissolve fy, which plans travel itineraries. can explore Swift coding. this feeling of frustration within This was during the eight-month the game. You can put emotions Swift Accelerator Programme he cipating schools in 2024, nearly

Jatin has taken part in the yearly tor is a talent development prostudents since its launch. gave him helpful suggestions about Jie, co-founder of Tinkertanker, a He adds: "Students who take how he could improve his product technology and education compa- part in robotics courses and com- EMPOWERED THROUGH TECH

Teens in Singapore are embrac- coding course run by Tinker-

There were more than 69 partitwice the number of schools when

thority and Apple, Swift Acceleragramme has engaged over 3,500 Swift Student Challenge three gramme for students from Second- The allure of jobs in technology, times in total, with his first attempt ary 1 to 3. They learn to code in societal digitalisation, the rise of at age 14. He credits his win this Swift, and design and build an app artificial intelligence (AI) and the time to his app playground being for release on Apple's App Store. widespread availability of coding Swift Accelerator has seen the tuition classes are among the many has a school-prescribed device as a band. "You shake the iPad to play During his recent trip to the number of applicants double since factors driving this demand, says part of the National Digital Litera- it like a tambourine.'

going to spur more interest.

Distinguished

Swift Student

Challenge at

Apple Park in California in

June. Singapore student Jatin

Rakesh (back

executive Tim

PHOTO: APPLE

row, in a light blue, long-sleeved shirt) is next to Apple chief

centre).

Winners of

the 2025

"Now you can build apps using cations, such as new animals or other products. other apps, programs and video grammes brand of Tinkertanker. Swift on iPad, previously you could weapons, customise the experigames. Their passion sometimes Tinkercademy also runs Swift do it only on a MacBook. There are ence of playing the game. starts from playing popular games Explorers, an app development also schools that use iPads as their After learning coding languages Hack Club, a global non-profit net-

cy Programme.

opment as a natural progression. As a child, Ms Jiang Tongyu used to With AI, you can build things bare- dream of making "mods" on Mine- lot of people come together for a Swift Accelerator is a flagship ly needing to code. I think that's craft, a favourite game in primary school. These user-created modifi-

an iOS app through the Swift Accelerator Programme in secondary school, the 19-year-old has cocreated a game, Glowkeeper. About an abandoned world, it is slated for release later in 2025 on Steam, a platform for distributing

video games online. The Raffles Institution graduate has been on a gap year after sitting her A-level exams at the end of 2024. She says making her first app, Habitat - Do Tasks, Grow rees, which is about managing todo lists, was an eye-opening expe-

She adds: "I thought apps were made by someone really professional. I realised I had all the tools on my laptop to make them. It was as if I were in a house and opened the front door and found that, suddenly, there's a whole new world to explore.

"I've always wanted to explore storytelling through tech-

Ms Jiang was Singapore's only Distinguished Winner for the Swift Student Challenge in 2024. She describes her entry, Tambourine Story, as a motion-based Every secondary school student game about a girl who wants to join

> Now a mentor guiding teens in the Swift Accelerator Programme, she has taken part in hackathons in Shanghai and Austin, Texas. Hackathons are events where a short period of time to write or

> attachment in San Francisco for



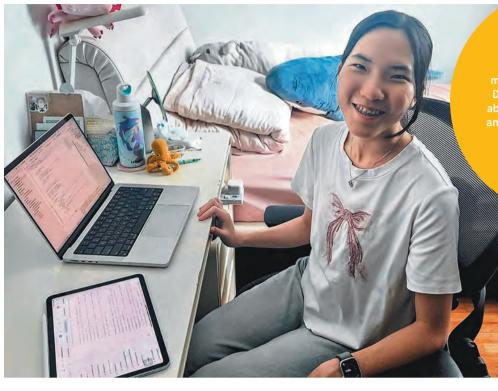
become creators of technology. Ms Jiang wants other teens to dream big. "I want to build more communities like this, and let people know they can make whatever they want."

# **HACKER CULTURE DRAWS TEENS**

Hackathons organised by university students have seen a noticeable increase in adolescent participation in recent years.

While teens are a minority at the National University of Singapore's (NUS) annual Hack&Roll event, the number of students from secondary school, polytechnic and junior college rose from 70 participants in 2024 to 90 in 2025. This is according to Mr Jonathan Loh, a computer science undergraduate and president of NUS Hackers, which promotes hacker culture. Hack&Roll typically attracts hundreds of participants, most of whom are undergraduates.

Mr Loh says: "The initial driving force for this increased interest in



can see they're doing it as a pas- it's hard to carry on."

sion, especially if they start young? What The Hack is a software and FRIENDS WHO CODE TOGETHER hardware hackathon organised by cent in its December 2024 edition, interest in coding.

polytechnic, for example, it may workout challenges. not seem as much fun.

"But the people who come for the "It's also good to interact more diverged, however, with Advait building apps is its potential as a hackathons are less motivated by with other coders. You need focusing more on building apps lance work projects in game develnew career, as well as exposure to these institutional factors. It's hands-on experience. If you learn and Brian developing his own opment, and he has spent more coding in primary and secondary about the fun of building apps. You to code and don't make anything, games.

attendance by teens rise from tor are Secondary 4 students at St weaknesses." around 15 per cent in 2021 to 24 per Patrick's School who have a shared computer science undergraduate lished on the App Store when they apps for his peers, such as one that back, even if it's brutal feedback, is

were 14, following their stint in the improves and speeds up the loan crucial, as you need to know where

accessible to more people.

Check out nine2twelve, The Straits Times' new video series

on YouTube, where we present news stories, explainers

and reviews of youth-targeted activities

in a kid-friendly way. These episodes

and activities are by the team behind

Little Red Dot, a weekly student

Ms Tan says: "It's good to start Swift Accelerator Programme. process for guitars in a friend's to improve. such digital skills in courses at their fitness through customised

Advait says: "What pushed me to Their programming paths have become a programmer is the idea venessal@sph.com.sg

publication by ST.

mum output. I get satisfaction when everything clicks and it's seamless. Another thing I learnt about coding is that you can help people with Meanwhile, for Brian,

of minimal effort for maxi-

playing Roblox as a child kick-started his ambitions to create his own game. He recalls: "I thought, I love playing games. Why don't

I make them?' Brian started by making his own Community at the age of nine, the term used for a space where likeminded individuals can engage with one another on the Roblox platform.

He says he was proud of leading his aviation-themed Community, complete with pilots, cabin crew and passengers, for about a year. He went on to create other games on Roblox and to learn tools like the Lua programming language

used for video game design. In 2025, he began taking on free than a year creating his own fighter Advait says: "My dad, who's a game. He hopes to release Pande-

software engineer, encouraged me monium in early 2026. during Covid-19 to do Python, and Brian says programming has it started from there. I wanted to taught him values like patience. the Singapore University of Tech- Sixteen-year-old friends Brian explore more coding languages, as He says: "You need to have renology & Design (SUTD). It saw Joseph and Advait Milind Contraceach has its own strengths and lentless discipline to create your own game. During the holidays, I He recently launched Verdi, an used to spend four or five hours a iOS app that tracks an individual's day on it. You have to take it step by says project director Tan Jing Yee, a Their app, FitStreak, was pub-carbon emissions. He has also built step. For instance, getting feed-

early so you can have more time to Created with two other students, music co-curricular activity, and "When you're pursuing a paslearn at your own pace. If you learn the app motivates users to improve another that makes study notes sion, it's not something that comes together overnight."



wildlife park, Rainforest Wild Asia, opened its doors. It has been dubbed by Mandai Wildlife Group as Asia's first adventure-based zoological park, where visitors can crawl through caves or free fall from a 13m-high platform. In Episode 5 of nine2twelve,

a video series for children, The Straits Times and two guest reviewers visit this park, which is home to 36 animal species. Watch the video at str.sg/xHhn, then come back

and learn fun facts about the endangered animals found in Rainforest Wild Asia. Match each fun fact to the correct animal by writing the picture's letter next









1. Francois' langur

monkeys live in rocky places with lots during the day and spend their time climbing, eating leaves and resting in

# 2. Malayan tiger

It likes to be alone, except when it is looking for a mate or when a mother is with her babies. The cubs stay with their mother for about two years before going off on their own. In the wild, this tiger is hunted for its body parts, which are used in some traditional medicines.

# 3. Siamangs

The siamang has a big throat pouch which lets it make very loud calls. Its calls can be heard as far as 3km away. The forest acrobat travels from tree to tree easily, covering up to 3m in one swing. When it is not swinging, it walks along branches with its arms extended.

# 4. Vietnamese pheasant

The males have bright red flaps on their faces and a pattern on their feathers that looks like tiny scales. This bird is native to north-central Vietnam. It was spotted in 1996 in the Phong Dien area of Thua Thien Hue province, but has not been seen in the wild since 2000. Today, the bird can be found only in zoos.

ANSWER: 1-D, 2-B, 3-A, 4-C

