

# Aayush Panda

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## Experience

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### Woodlands App Team

*The Woodlands Secondary School*

PRESIDENT

*June 2021 - Present*

- Architected and developed a mobile application to inform students about announcements, events, cafeteria menu, and general school information
- Utilized Flutter to create the cross-platform mobile application
- Integrated Firebase and GCS for user authentication and storing information related to the school
- Used by ~400 users and reached 70 on the Apple App Store's top charts
- [Play Store link](#), [Apple App Store link](#)

### hack::peel

*Mississauga, Ontario, Canada*

FOUNDER AND CO-PRESIDENT

*December 2021 - Present*

- Organised a Peel-region highschool hackathon with 100+ participants
- Arranged sponsored prizes valued at \$20,076
- Organised judging panel with tech executives and domain experts
- Developed hackathon website, and organised other public facing elements
- [Hackathon website](#)

### Toronto Model United Nations

*Toronto, Ontario, Canada*

USG OF TECHNOLOGY

*December 2022 - Present*

- Developed website for TMUN2023, Toronto's biggest Model UN conference
- Conference had over 350 attendees, and website saw over 2k visits per week
- [Hackathon website](#)

## Skills

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**Programming** Python, Java, Web Development, JavaScript, Android development, SQL, Cybersecurity, Blockchain

**Data Science** Pandas, Sklearn, Tensorflow/Keras, Matplotlib, NumPy

**Frameworks** Flutter, Flask

## Projects

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### DAO Based Crypto Token Mutual Fund

*September 2022*

- Won 2 prizes for best Web3 app at Hack the North 2022
- Used Smart Contracts with Axelar to perform cross-chain transactions, and OSquid to convert tokens
- Used Node.js and Next.js to integrate Web3 backend with frontend
- [Project devpost link](#)

## Patents, awards & certifications

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|--------------|---|
| May 27, 2021 | <b>Patent- Compliant mechanism for operating flight control surfaces of a remotely piloted aircraft</b> , Patent # ca 3119717 |
| Mar 29, 2022 | <b>PicoCTF - 2nd place in Canada</b> , Carnegie-Mellon University   |
| Sep 18, 2022 | <b>Winner - Hack the North 2022</b> , University of Waterloo  |
| April, 2021  | <b>Semi-Finalist - FIRST Innovation Challenge 2021</b> , FIRST International  |

## Education

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### The Woodlands School

HIGH SCHOOL, GRADE 11

*Mississauga, Ontario, Canada*

*September 2020 - July 2024 (expected)*