

Aayush Panda

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Experience

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](#)

Skills

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

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

Frameworks Flutter, Flask

Projects

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

May 27, 2021

Patent- Compliant mechanism for operating flight control surfaces of a remotely piloted aircraft, Patent # ca 3119717

Mar 29, 2022

PicoCTF - 2nd place in Canada, Carnegie-Mellon University

Sep 18, 2022

Winner - Hack the North 2022, University of Waterloo

April, 2021

Semi-Finalist - FIRST Innovation Challenge 2021, FIRST International

Education

The Woodlands School

Mississauga, Ontario, Canada

HIGH SCHOOL, GRADE 11

September 2019 - July 2024 (expected)

References

Dr. Prasanjit Dash

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Climatology Division

Colorado State Uni. CIRA Res. Scientist III

NOAA STAR Satellite Oceanography