

# Vishnu Sundaresan

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## EDUCATION

### National University of Singapore (NUS)

2020 – Present

- Expected Graduation: Dec 2024 with Bachelor of Computing in Computer Science (Honors)

### University of Georgia

Jan 2024 – May 2024

- Dean's List; Coursework in Advanced Algorithms, Cloud Computing, Operating Systems, Machine Learning

## WORK EXPERIENCE

### [Snowball](#) (Singapore)

Jan 2024 – Present

#### Co-Founder, Chief Technological Officer

- Founded and head a technical team of ~2 engineers to build [Snowball](#) - The app for people to log all their activities
- Live to App Store + Play Store, scaled to 600 users in a month, currently at 902\* users
- Created a [400\\* person community](#) of in-person events, attracting sponsor, media coverage
- Bootstrapped the company on awarded grants and funds, gaining national media coverage
- [Built on React Native, Expo, TypeScript](#), Python, Postgresql, ReactJS, NextJS, Langchain and OpenAI LLMs frameworks

### [Cape](#) (New York City, USA)

Jan 2023 – Dec 2023; Jan 2025 - May 2025

#### Software Engineer

- 2nd hire in a seed-stage start-up that aims to build the future of professional networking through warm introductions
- Engineered and was architect for several prototypes and features to create MVP and initial product helping it scale from 0 to 700\* users (launched in September 2023)
- Leveraged Next.js, Postgresql, ReactJS, TypeScript, JavaScript, Python and React Native

### [Hypotenuse AI](#) (YC S20) (Singapore)

May 2022 – Nov 2022

#### Full-Stack Software Engineer

- Part of a fast-growing startup that has more than 1,000+ clients globally; Launched Product Hunt #2 Product of the Day
- Designed and developed for the Hypotenuse Web App, overseeing a gradual overall increase in monthly active users from 3,000 to 30,000 users
- Built on a stack of ReactJS, TypeScript, FastAPI, Python, AWS S3 and DynamoDB (NoSQL)

### School of Computing, NUS (Singapore)

Jan '22 – May '22; May '23 – Aug '23; May '24 – Aug '24

#### Teaching Assistant for CS2030S: Programming Methodology II & CP2106: Independent Software Development Program

- Taught two classes – one about Programming Paradigms like Object Oriented Programming and Functional Programming in Java, and one on building software projects from scratch (JavaScript, Python, SQL/NoSQL)
- Achieved overall ratings of 4.4/5, 4.8/5

### [Panasonic R&D Center Singapore](#) (Singapore)

Dec 2020 – Jan 2021

#### AI Technology Development Intern

- Built tools to handle data collection of 2,000+ (images, videos) for Computer Vision projects
- Assisted in improving model prediction accuracies by about 3% using the Python OpenCV framework

## PROJECTS

### Hobbi Academy ([hobbiacademy.tech](#))

- Live collaborative learning platform; **Winner** of HackTCNJ's **Best Web Design** Project built with NodeJS, React & NextJS

### ArcAid ([arcaid.study](#))

- ArcAid simplifies and secures bulk financial aid applications, preserving students' financial privacy, built with React, NodeJS
- Uses Aleo Blockchain on Web3.0 and zero-knowledge proofs to secure user data on the blockchain without disclosure.
- Winner** of **Best Aleo, Wolfram and Educational** Project at PennAppsXXIV, U.S's oldest hackathon, **top 1.5%**

### BI0ckify ([bi0ckify.tech](#))

- BI0ckify is revolutionizing rare item trading by banking valuable, providing non-fungible tokens (NFTs) as online value
- Uses Ethereum, Next.js, React and SQL to create a simple trading place which people can trust and trade freely on
- Winner** of **Best Ethereum** Project at Hack the North, Canada's Biggest Hackathon, **top 1%**

### SafeRx ([saferx.app](#))

- SafeRx solves the \$3.5 billion problem of prescription fraud by turning medical prescriptions to NFTs
- Built on ReactJS, NextJS, TypeScript and MongoDB (NoSQL)
- Finalist** at the MIT Bitcoin Hackathon, finishing in the **top 5%**

## HOBBIES & INTERESTS

Captain of College Table Tennis Team and School Tennis Team; Run Brooklyn Half, Atlanta 5k Marathons