

# Advait Bharat Deshpande

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## EDUCATION

### Nanyang Technological University

Aug. 2021 – May 2025

Double Degree: BEng (Computer Science), BBus (Business Analytics), CGPA: 4.58

Singapore

- Awards: NTU College Scholarship (Bond-Free), Dean's List AY21/22 (Top 5% of Cohort)

### University of Waterloo

Jan. 2024 – May 2024

Overseas Exchange; Coursework: Machine Learning, Distributed Systems, Computer Networks

Canada

## EXPERIENCE

### Software Engineering Intern

May 2024 – Present

StraitsX / Fazz

Singapore

- Led the technical refactoring of an API and wrote microservices for cross-border payment services, to allow for easier scaling and maintenance of critical infrastructure
- Designed and implemented tooling for Hardware Wallet integration, leveraging Open Source standards to enhance operational efficiency and developer productivity by 300%
- Engineered a robust, trustless verification system using Smart Contracts, significantly bolstering the security of asset custody operations and eliminating human error
- **Technologies Used:** Go, Typescript, Solidity, NextJS, AWS, Redis, Docker, Web3, Git

### Software Engineering Intern

May 2023 – Aug 2023

Altonomy (Range Protocol)

Singapore

- Led deep dive into quantitative analysis of Toxic Orderflow for DeFi Liquidity Providers, leveraging various Market Data APIs and applying statistical concepts to improve product decision-making
- Revamped the investment product frontend, resulting in a 35% increase in user engagement
- Conducted technical research on cutting-edge industry developments, and presented insights to inform strategic decisions
- **Technologies Used:** Python, Typescript, GraphQL, Pandas, Web3, Git

### Technical Product Management Intern

May 2022 – Aug 2022

Treehouse Analytics

Singapore

- Spearheaded the end-to-end implementation of a Smart Wallet classification feature for the Portfolio Analytics product, improving wallet coverage by 40%
- Played a key role in defining technical requirements for multiple internal projects, improving cross-team collaboration
- Innovated a new data classification framework, achieving over 99% accuracy in user position aggregation
- **Technologies Used:** Python, MongoDB, Jira, Web3, Git

## LEADERSHIP & CO-CURRICULAR ACTIVITIES

### International Case Team

Aug 2021 – May 2023

Business Solutions Case Club

- Actively represent NTU in case competitions: 2x Champions, 2x Runner's Up, 2x 2nd Runner's Up

## PROJECTS

### PedalPals | Full-Stack / Mobile | React Native, Flask, MongoDB

[Link](#)

- Cross-Platform app to help cyclists find like-minded individuals and engage in a gamified cycling experience
- Leveraged Open Source APIs and GPS Data to implement community-building features for cyclists near each other
- Designed using the MVC framework and ensured high level of extensibility for features in the future

### LVR on Uniswap V3 | Research / Academia | Pandas, Matplotlib, Concurrency

[Link](#)

- Applied foundational research on LVR to understand toxic orderflow for Liquidity Providers on Uniswap V3
- Optimised Data-fetching from APIs via concurrent requests to speed up analysis

### BeatScout | Data Science / ML | R, PowerBI, Python

[Link](#)

- Developed Random Forest, Logistic Regression models to identify emerging artists based on their virality

## SKILLS

**Skills:** Product Management, Strategy, Presentation, Software Development, Data Structure & Algorithms

**Programming Languages:** Go, Python, Typescript, SQL, R, Java, C++

**Frameworks, Technologies:** NodeJS, MongoDB, Firebase, GraphQL, PostgreSQL, Docker, AWS, GCP