DEDEEP SAI VADAPALLI

Student at NUS High, currently interning at Arukah Finance

CONTACT

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EDUCATION

NUS High School
2020 - Present
Majors in Computer Science, Biology, Chemistry and Math with Honours in Chemistry

AWARDS & CERTIFICATIONS

- **1st** Place, *Young Founders Summit Global 2022*, a startup competition
- **Silver**, *A* VJC Science Fair 2022*
- **Merit**, *SSEF Junior 2022*
- **2nd** Place, *iNTUition 2023*, NTU's yearly flagship hackathon
- **3rd** Place, *NUSH Hack 2023*
- **2nd** Place, *ImagineAI Datathon 2024*
- **Finalist**, *Engineering Innovation Challenge 2024*
- **Semi-Finalist**, *HacX! Hack for Safety 2024*
- **Finalist for Poster Award**, *NUHS Scientific & Innovation Summit 2024*
- **Awarded 30k grant**, *Youth Action Challenge 2024*

PROFILE

As an experienced software engineer, I bring 5 years of extensive expertise in web development, leveraging technologies like Next.js to build complex, scalable applications. Additionally, I have accumulated 2 years of hands-on experience applying machine learning techniques, including computer vision and natural language processing, to solve real-world problems across a variety of projects. I'm also an interdisciplinarian who has experience in biology, policy-making (Pre-U Sem attendee) and entrepreneurship

EXPERIENCE

CO-FOUNDER
Emacity
Nov 2022 - Present

- Co-founded Emacity, a start-up that specialises in biodegradable filtration systems
- Led the team to win an international start-up competition to secure 5k (USD) in seed capital
- Responsible for securing additional funding, partnerships, and strategic direction as the company transitions from R&D to product launch

SOFTWARE INTERN
Betr Beta
Jan 2023 - March 2023

- Developed an Android mobile app using Kotlin that enhances user experience in app management
- Designed and implemented a web-based CRM platform using Next.js, Node.js, and AI/ML libraries to automate client outreach and data analysis
- Collaborated with the international product team to translate business needs into technical solutions

ORGANISER
Singapore Biology League
Nov 2023 - Present

- Developed the application (frontend) on which the competition will be hosted on using various tools

SKILLS

- Highly adaptable
- Keen to learn new technologies
- Inter-disciplinarian school of thought
- Ability to bridge diverse perspectives and disciplines
- Strong critical thinking and problem-solving capabilities

MISC

Impact Startup Challenge 2023

Represented NUS High at ISC 2023 in Ho Chi Minh, Vietnam

ReminAI

Developed a AI-enabled digital reminiscence therapy web app for Youth Action Challenge 2023

Athens

Coded a crypto inspired, decentralised, zero trust voting system for NUSH hack 2024

ORGANISER
Building BloCS Singapore
June 2023 - Present

- Helped organise Singapore's largest for students by students computing advocacy programme
- Speaker @ September Conference 2023: Intro to Next.js workshop
- Speaker @ June Conference 2024: Python with GitHub Pro
- Speaker @ June Conference 2024: Diffusion and Generative Adversarial Networks

SPEAKER
Singapore Week of Innovation & Technology 2024

- Gave a talk titled "Breaking Barriers: Youth Entrepreneurship and the Future of Work"

VICE-PRESIDENT
Computer Science Club
Jan 2023 - Present

- Was in charge of member development, outreach as well as organising various volunteering projects
- Spearheaded the development of the NUS High 20th Anniversary website and managed the respective design, frontend and backend teams

VICE-PRESIDENT
Astronomy Club
Jan 2023 - Dec 2023

- Managed the other Executive Committee members and delegated tasks based on skillsets
- Coordinated collaborations between NUS High and other schools
- Oversaw the execution and planning of a month long Astronomy outreach programme at Woodlands Galaxy Community Club

COORDINATOR
Young Founders Summit 2024
Dec 2024

- Encouraged and guided participants to think outside the box when coming up with start up ideas
- Helped teams with market validation and pitch preparation