

AADITYA PATWARI

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EDUCATION

Yale-NUS College, Singapore

August 2020 - Present

- B.S in Mathematical, Computational and Statistical Sciences (MCS). Current CAP: 4.92/5
- Honours: Yale-NUS Faculty Scholarship.
- Relevant Coursework: Parallel Concurrent and Distributed Programming, Software Verification and Validation, Data Structures and Algorithms.

Australian National University, Canberra

February 2023 – June 2023

- Relevant Coursework: Computer Networks, Computer Organization and Program Execution, Structured Programming.

Victoria Junior College, Singapore

January 2016 – December 2017

- Eight A-Level distinctions, including 4 H2 subjects and 1 H3 subject. UAS: 90RP
- Honours: OVA Gold Medal for Academic Excellence, CCA Excellence Award, SINDA Excellence Award, Edusave Certificate of Academic Excellence.

WORK EXPERIENCE

Datature Pte Ltd, Singapore

May 2022 – August 2022

Backend Engineer (Intern)

- Implemented REST API routes using ExpressJS, Typescript, and MongoDB to integrate new features.
- Saved storage costs and work hours by creating a microservice to automate the deletion of inactive users and projects. Utilised GCP Cloud Run and GCP Cloud Scheduler to host and call the microservice.
- Used Postman and Jest test suites to conduct extensive unit, functional, and performance tests.

Reality Detector Pte Ltd, Singapore

December 2020

Full Stack Engineer (Intern)

- Created NodeJS scripts to automate the retrieval, analysis, and storage of data in AWS DynamoDB.

LEADERSHIP

President, Yale-NUS College Hacks

January 2021 – July 2022

- Implemented semester-long software and hardware workshops and projects catering to different skill levels, increasing active membership by 200%.
- Led the organisation and execution of the inaugural Yale-NUS Makerthon, attracting 300% more participants than past events.

President, Victoria Junior College Makers Club

January 2016 - December 2017

- Created a 360° virtual map of the school campus using JavaScript and the Google Maps API.
- Engaged the pioneer batch of members by organising multiple software and hardware projects.

PROJECTS

Cats of SG

December 2022 – February 2023

<https://catsofsg.com>

- Created a website to crowd-source and display information about community cats in Singapore. Received more than 200000 API requests in one month and featured on multiple news outlets including [Yahoo](#).
- Utilised ReactJS, MapBox GL JS, and TypeScript on the frontend to display data on an interactive map.
- Developed a REST API backend using ExpressJS, TypeScript, and MongoDB. Utilised Google Cloud Storage to store user-submitted images.
- Built CI/CD pipelines using Docker and GitHub Actions to deploy frontend and backend on Google Cloud Run.
- Performed search engine optimisation to achieve front-page rankings for various queries.

Personal Website

May 2021

<https://aadipatwari.com>

- Created a responsive single-page website using ReactJS and hosted on AWS.

OTHER INTERESTS

- Languages: TypeScript, Python, Java, Scala, OCaml, R, HTML, CSS, C, SQL.
- Stack: ExpressJS, ReactJS, Django, Tailwind, Flask, MongoDB, Docker.
- Music: Pianist (ABRSM Grade 8 Piano Distinction) and self-taught electric guitarist.
- Animal welfare: Volunteer at SOSD Singapore and occasional cat fosterer.