

ADITYA MISRA

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EDUCATION

National University of Singapore
Bachelor of Computing (Hons.)

Aug 2022 - Present

GPA: 4.65 / 5.0

Computer Science with Minor in Innovation and Design

Specializing in Software Engineering, Database Systems and Artificial Intelligence & Machine Learning

Teaching Assistant, CS2109S (Introduction to AI/ML)

Scottish High International School

Jan 2007 - May 2022

Indian School Certificate

- Percentage: 99.2% [All-India Rank 2]

SKILLS

- Languages: Python, Javascript, Typescript, Java, C, SQL
- Frameworks: PyTorch, Angular, React, Flask, FastAPI
- Tools: Docker, Git, Postman, Vim

WORK EXPERIENCE

Software Engineer Intern, Hutchinson Research and Innovation, Singapore

May 2024 - Nov 2024

- Enhanced Industry 4.0 workflows, optimizing project management features and building a data analysis dashboard for real-time monitoring of machine parameters, improving efficiency
- Deployed GPT-4 based Generative AI integrations for automating HR communication, Knowledge Management, and RFQ documents analysis, reducing manual efforts required
- Refactored and modularized existing database schemas and optimized API endpoints for two administrative web applications, enhancing query performance and ensuring system scalability, robustness, and maintainability

Software Engineer, DEIF Asia Pacific, Singapore

Oct 2023 - Jan 2024

- Spearheaded development of the Open Charge Point Protocol, a communication protocol for seamless communication between controllers and third-party EV chargers
- Developed a Central Charging Management System (CSMS) using React, enabling extensive testing for commercial EV deployments

PROJECTS

SELENE, NUS, Singapore

Oct 2024 - Present

- As a Research Assistant to Prof Christian Von Der Weth, designing comprehensive notebooks on a wide array of topics in the sphere of Artificial Intelligence and Machine Learning

Project Oasis, NUS Google Developers' Group, Singapore

Sep 2024 - Present

- Developing a Dog Management System and a Sponsorship/Volunteer Management Dashboard for Oasis Second Chance Animal Shelter (OSCAS), Singapore

CATcher & WATcher, NUS, Singapore

Jan 2024 - Present

- Optimising user experience by developing new features, bug fixes, and testing of both applications, used by the Software Engineering teaching team at National University of Singapore

ScoreScope, NUS Orbital, Singapore

May 2023 - Aug 2023

- Developed a data-driven web application, that analyses past papers of courses and provides insights into topics most frequently tested on, with customisable study schedules based on course workloads