

Sai Sumanth Yalamarty

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE

BACHELOR'S IN COMPUTER SCIENCE

Expected May 2024 | Singapore, SG

Artificial Intelligence focus area

School of Computing

FIITJEE


HIGH SCHOOL DIPLOMA


IN SCIENCES

Grad. May 2020 | Hyderabad, India

Grade : 96.4 %

LINKS

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COURSEWORK

Computer Vision

Natural Language Processing

Artificial Intelligence

Machine Learning

Software Engineering

Information Security

Programming Methodology I and II

Data Structures and Algorithms

Discrete Structures

Probability

Mathematical Finance I

SKILLS

PROGRAMMING

Python • Shell • JavaScript • Java

C • C++ • CSS • \LaTeX

MATLAB

FRAMEWORKS AND TOOLS

React • Node.js • Express.js • git

Adobe XD • Figma

OTHER SOFTWARE

Microsoft Office • Adobe Illustrator

RapidMiner AI Studio

ACTIVITIES

XRPL Campus Ambassador's Community

NUS Alumni Ventures

NUS Comedy Club

NUS Indian Cultural Society

HOBBIES

Blogging Ideas

Tech Enthusiast

Building Products

EXPERIENCE

NUS IORA | RESEARCH INTERN

Jan 2022 - Present | Singapore, SG

- Exploring Federated Learning and Decentralized Computing
- Architecting an express application that mimics the PoS (Point of Sale) systems of a merchant including user and merchant roles, transaction data, token-based rewards and offers

KEIO-NUS RESEARCH CENTRE | RESEARCH INTERN

Dec 2021 - Jan 2022 | Singapore, SG

- Developed applications and tools to interact with a suite of hardware trackers to store, analyze, and study data related to physical activity

ADVANTAGE PRO | AWS CLOUD ENGINEER INTERN

May 2021 - August 2021, May 2022 - August 2022 | Ashburn, VA

- Devised algorithms in **Python** to automate workflows for using and maintaining more than 20 **AWS** platforms
- Improved AMI backup systems and snapshot management efficiency by 40%

PROJECTS

MASTERWORD | A FUN PUZZLE GAME

- Built a web-based puzzle game inspired from Mastermind and Wordle that allows one to test their puzzle skills while giving them information about how close one is to the actual answer
- Achieved Top 8 recognition for Hack&Roll 2022, Singapore's largest student run hackathon organized by NUS Hackers

LOST IT | A DIGITIZED LOST AND FOUND

- Built a **MERN** stack web application catered towards reporting/finding lost items on campus over the summer with a teammate
- Achieved Advanced Level recognition for Orbital 2021, a self-directed software development initiative by the School of Computing, NUS

TEACHING

NUS | UNDERGRADUATE TEACHING ASSISTANT

Jan 2022 - May 2022, June 2022 - July 2022, August 2022 - Present | Singapore, SG

- Took tutorial sessions for CS3243: Introduction to Artificial Intelligence for multiple classes
- Assisted students in projects, weekly assignments, and discussions (Rating : 4.5 / 5)

NUS | UNDERGRADUATE TUTOR AND TECHNICAL ASSISTANT, BASIC AI COMPETENCY COURSE

June 2021 - Present | Singapore, SG

- Tutoring executive and administrative staff from NUS about employing **Artificial Intelligence** methodologies in daily lives
- Assisting course participants in using **RapidMiner Studio**, a visual AI tool, for assignments and project work

SOCIETIES

NUS INVESTMENT SOCIETY | DEPUTY QUANTITATIVE FINANCE DIRECTOR, QF ANALYST

August 2021 - May 2022, August 2022 - Present | Singapore, SG

- Gained proficiency on quantitative aspects of markets
- Researched on **Portfolio Optimization** techniques