Sai Sumanth Yalamarty

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE
BComp 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

- s7manth
- s7manth

COURSEWORK

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

NUS Alumni Ventures
NUS Comedy Club
NUS Indian Cultural Society

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
- Developing 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 - Present | 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** methodolgies 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
- Gainied proficiency on quantitative aspects of markets
- Researched on **Portfolio Optimization** techniques