

Rudra Prasadh Ganesh

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30 Nanyang Crescent, 637659,
Singapore

EDUCATION

Nanyang Technological University, Singapore

Aug 2022 – Present

Bachelor of Engineering in Computer Engineering

- NTU Science and Engineering Undergraduate Scholar with current CGPA of 4.79.
- Achieved an A+ in Data Structures and Algorithms (in C).
- Created a discord economy bot utilizing OOP concepts in Python.
- Collaborated in constructing a full-stack real-time flutter app for displaying nearby carparks.
- Teamed up to create a Java CLI app streamlining model 'camps' management in NTU.
- Implemented functions to control STM32 board and TI's MSP432 robot.
- Designed interactive websites using HTML, CSS, vanilla javascript and React.js; and games with Phaser.js.
- Conducted R regression analysis for restaurants, and Numpy and Pandas for stock market predictions.

Sri KDU International School, Malaysia

Sep 2020 – May 2022

IB Diploma

- Awarded a full scholarship and graduated 2nd topper of class.
- Engaged in mathematical research investigating timbre of instruments and its human perception through Fourier analysis and a signed rank test.
- Carried out secondary research on simplicity and accuracy of applying Bond enthalpy for calculations in chemical reactions.

Global Indian International School, Malaysia

Apr 2019 – Mar 2020

CBSE Class 10

- Attained straight 'A1' grades in all six subjects - sole achiever within cohort.

SOFT SKILLS

- Adaptability
- Collaboration & Teamwork
- Inquisitive and Philomath
- Problem Solving

TECHNICAL SKILLS

- Data Structures & Algorithms
- C, Java, C++, Python, R, Git
- Frontend Dev – React/HTML/CSS/JS
- Basics of Verilog, Embedded C, typescript, flutter, UE Game dev, DevOps
- OO Programming in C++ & Java

NOTABLE ACHIEVEMENTS

- Dean's List for 2022-23.
- Certified Front-End Web Developer (Meta)
- Passed ABRSM Piano Grade 8 with Distinction.

VOLUNTEER WORK

- Organized talent shows, fundraising for TREAK Community in Cambodia.
- Volunteered in assisting Exchange Students at NTU.
- Instructed beginner piano as NTU Piano Ensemble Music Director.

CO-CURRICULARS

- Captaining NTU chess varsity team – President of a 150-member club.
- Teaching Math, Physics, Chemistry, chess, table tennis and Rubik's cube solving to students aged 4-17.
- Performed "human calculator" routine on large stages.

OTHER COMPLETED MODULES

- Sensors, Interfacing & Control – fundamentals of analog electronics, DC motors, PID controllers
- Computer Organisation & Architecture – ARM in Cortex M4, concepts of computer systems