

Ganapathy Sanath Balaji

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EDUCATION

National University Of Singapore

Bachelor of Engineering (Computer Engineering), Honours

Aug. 2018 – May 2022

CAP (Current): 4.93/5.00

- **Dean's List:**

Academic Year 2019/2020, Semester 1

Academic Year 2019/2020, Semester 2

- **Coursework:**

Data Structures and Algorithms (A+),

Computer Organization (A+),

Real-Time Operating Systems (A+),

Software Engineering & Object-Oriented Programming (A-),

Signal Analytics (A+),

Design And Analysis Of Algorithms (Ongoing),

Competitive Programming (Ongoing),

Introduction To Artificial Intelligence (Ongoing),

Computer Networks (Ongoing),

Quantum Communication And Cryptography (Ongoing)

EXPERIENCE

Intern Software Development - Delivery Platform

Autodesk

July 2020 – Dec. 2020

Singapore

Director of Information Technology

IEEE - Eta Kappa Nu (HKN), Lambda Omega Chapter

June 2020 – Present

Singapore

PROJECTS

OrgaNice! | *Java, JUnit* | *Github*

- Developed a command line application using Java along with my project group mates for my software engineering module

Simple Calculator | *HTML, CSS* | *Web App* | *Github*

- A Simple Web App which can perform basic arithmetic, calculus and matrix operations.

FPGA Design Project: Real-Time Audio Visualizer | *Verilog*

- Implemented a Real-Time Audio Visualizer based on an FPGA using Verilog and displayed the signals on a VGA monitor.

TECHNICAL SKILLS

Languages: C/C++, Python, Java, Jenkins, HTML/CSS, MATLAB, Verilog, ARM Assembly

Frameworks: gMock, Robot Framework, CMAKE, JUnit

Developer Tools: Git, VS Code, IntelliJ, Markdown, UML

ACHIEVEMENTS

Recommendation/Commendation letter: Awarded for outstanding performances in CG2271 Real-Time Operating Systems and CS1231 Discrete Structures.

IES-NUS Integration Bee 2019: 1st Runner Up.