

Divyansh Bhutra

Computer Engineering Student at Nanyang Technological University

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Employment:

Ernst & Young, Singapore: *Cybersecurity Consultant Intern*

January 2023 – June 2023

Developed a Java program to automate several HR and IT tasks for the client company using REST APIs. Was involved in all parts of the project from project proposal drafting to developing and deploying the project on live servers.

Education:

Nanyang Technological University, Singapore: *B. Eng.*

August 2020 – July 2024

Bachelor of Engineering in Computer Engineering with a specialization in artificial intelligence.

International Baccalaureate Diploma Program, GIIS SG

August 2018 – May 2020

Completed the IBDP program.

Awards & Accolades:

SCSE TechFest Hackathon 2024, NTU. *First Place for project 'AI Dungeons & Dragons'*

Used cutting edge technology like llama2 text generation model and stable diffusion image generation model to create a video game with a unique and immersive gameplay experience.

Projects:

Brain-Computer Interface Scheme for Gaming using EEG, *Final Year Project research.*

Worked on creating a brain-computer interfacing scheme for playing video games as part of my final year project requirement. Worked with an electroencephalogram to collect data and test the scheme and used deep learning and machine learning methods.

Multi-Disciplinary Project, *Pathfinding algorithms and embedded programming for robot.*

Worked on a project involving programming pathfinding algorithms to help a robot navigate an arena autonomously without crashing into obstacles, while identifying symbols and reporting to an Android application. Link: divss12.github.io/BlogMDP

Personal Portfolio Website, *Website showcasing some of my projects and accomplishments.*

Made a website to highlight some of my achievements and developed some interesting projects for it. Currently published is a simple browser game, a maze generator and solver showcasing graph search techniques and Conway's game of life. Link: divss12.github.io

SGSafety, *Android Application*

Created an app that uses SG government APIs to help users monitor risks such as UV, Dengue, etc.

Programming Languages and Tools:

Python	- Data Science and ML projects; self-learning of Algorithms and CS concepts
JavaScript	- Portfolio Website, Personal Projects
Java	- SGSafety Android app, Multi-Disciplinary Project
HTML/CSS	- Personal Portfolio Website
C/C++	- Embedded C for embedded design, Microcontroller programming.
Verilog	- Embedded design

Links:

divss12.github.io

github.com/Divss12

linkedin.com/in/divyansh-bhutra

Soft Skills:

Fast and eager learner.

Creative and critical thinker.

Problem solver.

Adaptable, team player.

Languages:

English (fluent), Hindi (fluent),
French, Spanish (2 years),
German, Mandarin, Italian (some
knowledge)