

RIJUL GULATI

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Linkedin

Github

LeetCode

EDUCATION

Bharati Vidyapeeth's College of Engineering, Delhi
B.Tech - Information Technology - CGPA - 9.020

2022 – 2026

Paschim Vihar East, Delhi

D.A.V Public School

C.B.S.E - 12th - Percentage - 90%

2022

Dayanand Vihar, Delhi

TECHNICAL SKILLS

Languages: C, C++, Python, HTML, CSS, JavaScript

Backend and Database: Flask, MongoDB, MySQL

Coursework: Machine Learning, Deep Learning, DSA, OOPS, DBMS, Operating Systems, Software Engineering, Computer Networks

Developer Tools: VS code, Git and Github, PowerBI, Figma, Unity, PyCharm

PROJECTS

Intelligent Data-Driven Model

for Securing Intra-Vehicle Communications (V-Secure) | Python, Flask, HTML, CSS, JS 2024

- Built an intelligent model for detecting **DoS, fuzzy, RPM spoofing, and gear spoofing attacks** with **99% reduction in false positives**.
- Leveraged **7 deep learning and 3 machine learning models** for real-time threat detection.
- Integrated **live car hacking news** to enhance awareness of emerging automotive security threats.

Real-Time Cyber Incident Feed Tool(Cybr-X) | Python, Flask, HTML, CSS, JS, MongoDB 2024

- Developed a real-time cyber incident monitoring tool with **a dashboard and homepage** for live updates on Indian Cyber Space threats.
- Designed interactive dashboards for **data visualization and incident tracking**, aiding quick threat assessment.
- Built an intuitive homepage with **HTML, CSS, and JavaScript**, and integrated **MongoDB** for streamlined data access and user engagement.

Waste Segregation Model (ECOSORT) | Python, Flask, HTML, CSS, JS

2024

- Designed **7 deep learning models** for automated waste segregation, achieving **92.5% accuracy** in classifying recyclable vs. non-recyclable waste.
- Improved precision and recall by 0.93%** through model architecture optimization across multiple waste categories.
- Led the development of a scalable, high-accuracy waste segregation solution adaptable for real-world use.

CERTIFICATIONS

- Data Structure and Algorithms in C++ - Coding Ninjas

Positions of Responsibility

National Service Scheme (NSS BVCOE)

Volunteer

January 2023 – Present

- Currently serving as a Content Team member.

Institute of Electrical and Electronics Engineers (IEEE BVCOE)

Exe-Com

June 2023 – Present

- Executive in Content and Documentation for the IEEE Computer Science Subchapter.
- Head of GAMMA (Gaming and Animation Multimedia);