

RIJUL GULATI

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Linkedin

Github

LeetCode Portfolio

EDUCATION

Bharati Vidyapeeth's College of Engineering, Delhi

B.Tech - Information Technology - **CGPA - 9.000**

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.

AI-Career Coach (Ascenda) | Next.js, Prisma, NeonDB, Inngest, TailwindCSS

2025

- Developed an AI-powered career coaching platform with features including **resume builder, interview preparation, cover letter generator, and industry insights**.
- Implemented **AI-driven resume optimization** to enhance ATS compatibility and improve job application success rates.
- Built the platform using **Next.js (frontend and backend), Prisma (ORM), NeonDB (database), and Inngest (event-driven workflows)** for seamless automation and scalability.

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.

CERTIFICATIONS

- Data Structure and Algorithms in C++ - Coding Ninjas
- Data Science - Veeyo Tech

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)