

NIPUN RAUTELA

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EDUCATION

B.Tech in Computer Science, Vellore Institute of Technology September 2020 - Present
CGPA: 8.98

Data Structures and Algorithms, Object Oriented Programming, Network and Communication, Machine Learning, Deep Learning, Operating System

12th grade, GD Goenka Public School April 2018 - May 2020
Percentage: 91%

Physics, Chemistry, Maths, Computer Science

EXPERIENCE

Data Scientist May 2023 - July 2023
TVS Motor Company *E-City, Bangalore*

- Achieved **100% automation** for accessories sales and under-performing dealer data analysis by developing a data cleaning cronjob and a **PowerBI dashboard**.
- Performed augmentation-based and prior based fine-tuning for **YOLOv8-based** accessory recognition image model which led to a **3% increase** in model accuracy.

Full Stack Developer April 2023 - June 2023
Inxtinct Security *Remote*

- Developed an email security plugin that performed email intent analysis, and threat analysis and provided suggestions using **GPT-4 API**, **React+Typescript**, and **Webpack**.
- Ported the plugin from Vanilla JS to **React+Typescript+Webpack** which reduced development time by **more than 40%**.

SKILLS

Languages	C++, Python, Java, Javascript, HTML5, CSS, Dart
Frameworks	Node.js, Express, React, Bootstrap, Flutter, Tensorflow, Scikit-learn, Metasploit
Database	MySQL, Postgresql, MongoDB, Firebase
Miscellaneous	DSA, OOPs, Networking, Computer Architecture, Operating System, SOLID
Soft Skills	Problem-Solving, Communication, Teamwork, Leadership, Planning
Tools & IDE	Git, VS Code, Bash, Databricks, Jupyter Notebook, Unity, PowerBI, Anaconda, OpenAI, Cisco Packet Tracer, Kali Linux

PROJECTS

KoDS Bot. Discord bot for managing an RPG game-based guild of 300 members.

- Designed systems for profile creation, inventory management, and reputation system.
- Included tags system, bio and status system, and utility commands for moderation.

Graph Visualizer. A graph(Data Structure) visualizer made in Python using Turtle library.

- Added features like node creation and deletion, connecting nodes, and weighted edges.
- Implemented algorithms like DFS, BFS, and Dijkstra's SPA.
- Improved FPS from an average of 16 to 28 during optimization.

LEADERSHIP

- Led the App Development department of HackClub as the Head of the Department and guided over 100 students on the basics of App Development using Flutter.
- Coordinated the Expo-Stall team for the college tech-fest TechnoVIT as the representative from the school of computer science and engineering