

NIPUN RAUTELA

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EDUCATION

B.Tech in Computer Science, Vellore Institute of Technology

September 2020 - Present

CGPA: 8.98

DSA, 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 - Present

TVS Motor Company

E-City, Bangalore

- Achieved **100% automation** for accessories sales data analysis by developing a data cleaning cronjob and developing a **PowerBI dashboard**.
- Performed 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

Programming Languages

C++, Python, Javascript, Dart

Frameworks

React, Bootstrap, Flutter, Tensorflow, Scikit-learn

Database

MySQL, Postgresql, MongoDB, Firebase

Soft Skills

Problem-Solving, Teamwork, Leadership

PROJECTS

- **KoDS Bot**. Discord bot for managing an RPG game-based guild of 300 members.
 - profile creation, inventory management, reputation system
 - tags system, bio and status system, utility commands for moderation,
 - fun and gif sharing, game-based player data storage and a shop system.
 - [Github](#)
- **Graph Visualizer**. A graph(Data Structure) visualizer made in Python using Turtle library.
 - node creation and deletion, connecting nodes, and weighted edges.
 - Algorithms like DFS, BFS, Dijkstra's SPA.
 - Improved FPS from an average of 16 to 28.
 - [Github](#)

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.