

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 - Present
TVS Motor Company	<i>E-City, Bangalore</i>
<ul style="list-style-type: none">Achieved 100% automation for accessories sales data analysis by developing a data cleaning cronjob and a PowerBI dashboard.Collaborated on 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	<i>Remote</i>
<ul style="list-style-type: none">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, 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 Principles
Soft Skills	Problem-Solving, Communication, Teamwork, Leadership, Planning
Tools & IDE	VS Code, Bash, Databricks, Jupyter Notebook, 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.
- Additionally, fun and gif sharing, game-based player data storage and a shop system were set up.

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.