

# NIPUN RAUTELA

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## EDUCATION

|   |                          |
|---|--------------------------|
| <b>B.Tech in Computer Science</b> , Vellore Institute of Technology               | September 2020 - Present |
| CGPA: 8.98  |                          |
| DSA, Network and Communication, Machine Learning, Deep Learning, Operating System |                          |
| <b>12th grade</b> , GD Goenka Public School                                       | April 2018 - May 2020    |
| Percentage: 91%   |                          |
| Physics, Chemistry, Maths   |                          |
| Computer Science  |                          |

## EXPERIENCE

|  |                          |
|--|--------------------------|
| <b>Data Scientist</b>  | May 2023 - Present       |
| TVS Motor Company  | <i>E-City, Bangalore</i> |
| <ul style="list-style-type: none"><li>Achieved <b>100% automation</b> for accessories sales data analysis by developing a data cleaning cronjob and a <b>PowerBI dashboard</b>.</li><li>Collaborated on fine-tuning for <b>YOLOv8-based</b> accessory recognition image model which led to a <b>3%</b> increase in model accuracy.</li></ul>                             |                          |
| <b>Full Stack Developer</b>  | April 2023 - June 2023   |
| Inxtinct Security  | <i>Remote</i>            |
| <ul style="list-style-type: none"><li>Developed an email security plugin that performed email intent analysis, and threat analysis and provided suggestions using <b>GPT-4 API</b>, <b>React+Typescript</b>, and <b>Webpack</b>.</li><li>Ported the plugin from Vanilla JS to <b>React+Typescript+Webpack</b> which reduced development time by more than 40%.</li></ul> |                          |

## SKILLS

|                        |  |
|------------------------|--|
| <b>Languages</b>       | C++, Python, Javascript, Dart                            |
| <b>Frameworks</b>      | React, Bootstrap, Flutter, Tensorflow, Scikit-learn      |
| <b>Database</b>        | MySQL, Postgresql, MongoDB, Firebase                     |
| <b>Soft Skills</b>     | Problem-Solving, Teamwork, Leadership                    |
| <b>Tools &amp; IDE</b> | VS Code, Databricks, Jupyter Notebook, PowerBI, Anaconda |

## 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 Futtter.