NIPUN RAUTELA

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EDUCATION

B.Tech in Computer Science, Vellore Institute of Technology   September 2020 - Present
CGPA: 8.99
DBMS, DSA, OOPs, Computer Networks, Machine Learning, Deep Learning, Operating System

EXPERIENCE

Software Engineer   Feb 2024 - Present
Societe Generale Global Solution Centre   *Whitefield, Bangalore*

- Migrated multiple Excel-based VBA solutions to cloud functions written in Python, **reducing platform dependency by 100%** and wrote tests with **70%** coverage.
- Developed robust features for **Spring-based Java applications** while following the **Agile Software Development** strategy.
- Designed and Developed User Interface for applications, using **Angular** or **React** framework.
- Curated and managed **Docker**, **Kubernetes**, and **Jenkins** scripts for application deployment.

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

- Achieved **90% 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 by performing prompt-engineering on **GPT-4** API.
- Ported the plugin from Vanilla JS to **React + Typescript + Webpack** which reduced development time **by more than 40%**.

SKILLS

Languages	C++, Python, Java, JS
Frameworks	Spring, Angular, React, Bootstrap, Flutter
Database	MySQL, Postgresql, MongoDB, Firebase, TF/Keras
Miscellaneous	DSA, OOPs, Networking, Computer Architecture, Operating System, SOLID
Soft Skills	Problem Solving, Communication, Teamwork, Leadership, Planning
Tools	Git, Bash, Unity, PowerBI, Anaconda, 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 TechnoVIT college tech fest as the representative from the school of computer science and engineering.