Ramdayal

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EDUCATION

Dr. B R Ambedkar National Institute Of Technology Jalandhar — **Punjab,India**
Bachelor Of Technology (B.Tech) — **2020-2024**
Major in Computer Science And Engineering
Cumulative GPA : **8.32/10** (2020-2024)

CSC School Kota — **Kota Rajasthan**
Senior Secondary Education — May 2019
Percentage : **90.00 %**

WORK EXPERIENCE

Data Analyst Intern — **New Delhi India**
Edulyt India — May 2024 - Present

- Utilised Analytical skills and Python to analyse a credit risk dataset and identify potential factors contributing to default and non-payment of loans
- Employed Power BI to visualise and interpret insights from the data, providing key findings to inform lending practices and risk management strategies.
- Also Work on Online Shopping DataSet Clean & Apply senatiy check and interpret & analyse them and also extract useful information.
- Apply powerBi to visualise the data and represent the results & Outcomes in the form of graphs and histogram, and bar charts.

Software Development Intern — **Kolkata India**
Infovue — Jan 2023-May 2023

- As a software developer on the InfoVue team, I enhance the functionality of the Adore portal by adding new features and implementing additional constraints for the daily journal and weekly reviews portal of employees.
- I design and create the database for the Adore portal, ensuring efficient data management and storage.
- Using Node.js and Express.js, I work on the server-side to handle the backend logic and API development, including designing the WhatsApp-Web.js API.
- I collaborate with the Admin department to support the tech teams by handling various tasks and requirements.

PROJECTS

RideX | Link — **Nov 2022-Feb 2023**

- **Ride Offering and Booking**: Users can offer rides from a specific source to a destination, providing an affordable alternative to other transportation services. People can view the available rides from their city to various destinations, comparing prices and selecting the most suitable option.
- **OpenCage Map Integration**: The project incorporates OpenCageMap integration, which allows users to visualise the available rides on a map. This feature provides a convenient way to locate rides from a specific source to different destination cities.
- **Live Chat and Communication**: To facilitate communication between ride offerers and ride seekers, a live chat or communication platform is integrated. This enables users to discuss details, arrange pickup points, and coordinate other aspects related to the rides.
- **Technology Stack**: The frontend design is implemented using HTML, CSS, and JavaScript. For server-side development, Node.js and Express.js are utilised. MongoDB is chosen as the backend database to store user information, chat records, and created ride data. The backend retrieves and provides the necessary data to the map, showcasing all the rides available from one city to multiple destination cities.

URLAlert | Link — **Jan 2023 - April 2023**

- **Machine Learning-based URL Detection**: URL Alert is a machine learning model designed to detect phishing URLs by analysing their behaviour. The project aims to explore various machine learning models and perform Exploratory Data Analysis on a phishing dataset to understand the features that significantly influence the models' ability to identify safe and phishing URLs.
- **Importance of Features**: Through the analysis, it was found that certain features such as "HTTPS," "AnchorURL," and "WebsiteTraffic" play a crucial role in accurately classifying whether a URL is a phishing URL or not. These features have been identified as having higher importance in determining the safety of URLs.
- **Accuracy and Model Evaluation**: Different machine learning models, including Gradient Boosting Classifier, Decision Tree, and KNN, are applied to the dataset to evaluate their accuracy in detecting phishing URLs. The Gradient Boosting Classifier achieved an accuracy of 0.974, recall of 0.994, and precision of 0.986. Comparisons are made among the models to determine their performance and suitability for the task.
- **Technology Stack**: The project utilises various technologies and libraries such as Numpy, Pandas, and Scikit-learn to develop and implement the machine learning models, perform data analysis, and evaluate the accuracy of the models.

Single Software Application Power Consumption | Assigned By Greeneweb (singapore) | Link — **Jan 2023 - March 2023**

- Developed a single application energy tracker that measures the **specific power consumption of a single application** on the system. Users Can check their application power efficiency.
- Utilised the Psutil library to gather system information, including **CPU** times, and calculated the duration of the currently running process and the energy consumed by the process based on that duration and the process's CPU usage. Use **intelpowerGadget** and the **psutil** library of python to utilise its API endpoint.
- Used the collected data to identify energy-intensive applications and optimise them for energy efficiency, resulting in cost savings and prolonged battery life on devices.
- Tech Stack: Operating System,Python, Psutil Library.

SKILLS

- ☐ **Tech & Languages :** C++ Programming Language , SQL , Node.js , MongoDB **.**
- ☐ **Concept & Computer Science Fundamentals :** Data Structure & Algorithms , Computer Networking , Operating System , DBMS , OOPs
- ☐ **Tools :** VsCode , Jupiter NoteBook , Taigo.io (Software Engineering - Agile Methodology (Scrum)) , GitHub, CiscoPacket Tracer, weka.

Certification & Coding Profile

- Google kick-start competition (Round-F) global rank 3547 — Certificate
- LeetCode solved over 850 algorithms and data structure based problems with Rating 1667 under Top 14% . — Profile
- GeeksForGeeks solved over 500 problems with institute Rank under 88. — Profile