SHREYASHI PAL

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EDUCATION

Pursuing B.Tech at the Institute of Engineering and Management, Kolkata
YGPA: 9.52
12th score - 93% , 10th score - 96.2%

SKILLS

Java, Python, Javascript, HTML, CSS, React, Node js, Express js, Mongodb, Firebase,TensorFlow, Scikit-learn,Hugging Face Transformers, Flask

PROJECTS

Project 1 Commercial Vehicle Rental Web App

- Helps customer choose heavy commercial vehicles like truck, dumper, chota hati,etc for rent at minimum cost.
- **Node.js, Express.js, MongoDB** (with **JWT** for authentication), are used for Login and Registration. **Firebase** is used for enabling **google authentication**
- MongoDB for database is used for listing the vehicles. **Node.js** for server-side logic,and MongoDB for storing bookings
- Utilized **Stripe API integration** for **secure transactions**.
- **Inventory Management**: Used to **add, edit, and remove** vehicle listings and track vehicle availability and maintenance schedules.
- Frontend - **React.js**, **Tailwind CSS**, **DaisyUI**

Project 2 SmartVoyager - AI Trip Planner

- User inputs preferences (budget, destination, duration, travel type).**Gemini AI** processes data to generate an optimized travel plan
- Integrated with **Google Maps Places API** to fetch destination details like popular landmarks, restaurants, and activities.
- **Gemini 1.5 Pro** generates an amazing tour plan according to user requirements by listing best hotels, restaurants, itinerary and stores the data in the **Firestore Database** of **Firebase**
- **Google Maps API** is integrated to view the hotels, restaurants and check the availability from their respective websites.
- Frontend - **React.js**, **Tailwind CSS**, **DaisyUI**

Project 3 CareHeaven - AI Doctor and Brain Tumor detector

- Users input symptoms and **AI** predicts possible diseases using the **Random Forest algorithm** which is implemented with **Python** using libraries like **Scikit-learn**.
- As per the predicted disease it suggests medications, precautions, diets, workouts, etc
- Upload **MRI or CT scan images** for analysis and detect and classify types of brain tumors.**Convolutional Neural Networks (CNNs)** is implemented in Python using **TensorFlow/Keras**.

CERTIFICATES

- Machine Learning and Data Science Course - Jadavpur University
- Full-Stack Web Development - Apna College Certificate Link