PRAVEEN KUMAR YADAV

LinkedIn: https://www.linkedin.com/in/marveee/ Email: kpraveen1116@gmail.com
GitHub: https://github.com/Praveen1116/ Mobile: +91-6207106851

SKILLS

- **Languages**: HTML, CSS, JavaScript, TypeScript, C, C++, Java, Python
- **Technologies**: Next.js, Node, React, Express, Tailwind CSS, Prisma (ORM), Tailwind CSS, Scikit-learn
- **Databases/Tools**: MySQL, MongoDB, PostgreSQL, Git, GitHub, Postman, Power BI, Jupyter Notebook
- **Soft Skills**: Problem solving, Team collaboration, Time management, Adaptability

PROJECTS

Knowledge Management Platform | GitHub | Link Dec' 25 – Jan' 26

- Designed and developed a full-stack personal knowledge management platform enabling users to capture, organize, and retrieve notes efficiently through a modern, responsive interface.
- Implemented secure JWT-based authentication with password hashing and protected API routes, ensuring safe user access and robust session management.
- Built an intuitive user dashboard supporting structured note-taking, content categorization, and fast keyword-based search, significantly improving information retrieval speed.
- Engineered a scalable backend API for user management and persistent data storage, ensuring reliability and seamless data synchronization across sessions.
- Crafted a responsive and visually engaging UI with smooth animations and intuitive navigation, enhancing overall user experience across devices.
- **Tech Stack**: TypeScript, React.js, Node.js, Express.js MongoDB, Tailwind CSS

Road Classification Using Phone Sensor | GitHub Mar' 25 – Apr' 25

- Developed an end-to-end machine learning system to classify road quality (Dirt, Medium, Good) using real-world smartphone sensor data.
- Designed a robust data pipeline involving accelerometer, gyroscope, and magnetometer preprocessing, feature extraction, signal smoothing, and Random Forest–based classification.
- Built an interactive Streamlit application supporting CSV uploads, real-time road quality predictions, confidence scoring, and sensor-wise visualization dashboards.
- Achieved 87% classification accuracy with strong class separation, particularly for dirt and good road surfaces, demonstrating model reliability on noisy sensor inputs.
- **Tech Stack**: Python, Stremlit, Pandas, NumPy, Matplotlib, Scikit-learn, Random Forest

TRAINING

Data Analytics Essentials | Certificate Jun' 25 – Jul' 25

- Executed hands-on training in SQL, Python, Advanced Excel, Tableau, and Power BI, focusing on end-to-end data analysis workflows.
- Performed data cleaning, transformation, and exploratory analysis on structured datasets to uncover trends and actionable insights.
- Developed interactive dashboards and visual reports using Tableau and Power BI to support data-driven decision-making.
- Applied analytical techniques to real-world business scenarios, strengthening data interpretation, visualization, and reporting proficiency.

CERTIFICATES

- Privacy and Security in Online Social Media | **NPTEL** Oct' 25
- Data Structure and Algorithms | **LPU** May' 24
- Unrevealing Basic Python towards AI/ML | **CSE-Pathshala** Mar' 24

ACHIEVEMENTS

- Solved more than **400+** programming problems on online coding platforms during regular practice and learning.
- Achieved rating of 1479 rating on **LeetCode**.

EDUCATION

Lovely Professional University Phagwara, Punjab
Bachelor of Technology - Computer Science and Engineering; **CGPA: 6.98** Aug' 23 – Present

Ram Lakshman Singh Yadav College Koderma, Jharkhand
Higher Secondary Education; **Percentage: 67** May' 19 – Mar' 21

Adarsh +2 Uchcha Vidyalaya Koderma, Jharkhand
Secondary Education; **Percentage: 84.2** Mar' 19