Pradeep Yadav

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Summary

Innovative Software engineer skilled in Computer Science, Python, web development. Experienced in transforming complex requirements into user-friendly software development, with a commitment to continuous learning and growth.

Experience:

J.P. Morgan Software Engineering Virtual Experience
- Setup a local development environment, installing required tools, dependencies to ensure seamless project execution.
- Diagnosed and resolved critical issues in the repository, enhancing the functionality of a financial web application.
- Used JPMorgan's open-source library to create an interactive, real-time graph for monitoring market data feeds.

Oasis Infobyte Web Development Intern
- Implemented user interfaces using HTML, CSS, and JavaScript ensuring responsive design across different devices.
- Connected and interacted with databases to efficiently store and retrieve data, ensuring seamless functionality.
- Gained hands-on experience with modern tools and technologies, and best practices in web development.

Skills(Problem Solving & Communication Skills):

Programming Language: Python C, Java(Basics), HTML, CSS, JavaScript (Moderate), SQL
Tools and Frameworks: Jupyter Notebooks, Git, Google Colab, GitHub, Excel, React.js (Moderate)
Subjects: DBMS, Data Structures and Algorithms, OOPS
Soft Skills: Multi-Tasking, Team Collaboration, Leadership, Interpersonal, Communication, analytical, adaptability

Projects:

DriveGuard: AI-Powered Safety Companion (Link)   **July 2024 - Present**
- Implementing a real-time driver monitoring system using YOLO object detection and facial landmark analysis.
- Working on detections for common distractions such as phone usage, eating, and reasons behind Distractions.
- Working on enhancing model accuracy by 20% and aiming to reduce incidents by 25%.

Hilink: Where Journey Begins with a Connection (Link)   **Sep 2023 - Feb 2024**
- Implemented messaging, allowing users to collaborate, plan, and organize small trips with other travelers in real time.
- Focused on connecting like-minded travelers, fostering community engagement, and enhancing solo travel experiences.
- Enabled users to share tips, recommendations, and travel plans, Improved responsive by 15% through enhanced ui/ux.

ShowcaseHub: Digital Portfolio (Link)
- Built a responsive design of portfolio with HTML5, CSS3, and JavaScript, improving device accessibility by 30%.
- Integrated interactive features like smooth scrolling and dynamic content improving visibility for recruiters by 20%.

Education:

Bachelor's in Computer Science (AKTU, Avg:- **8** SGPA **2021-2025**)   Pranveer Singh Institute of Technology, Kanpur

Certifications & Achievements:

- Solved **500+** problems on **LeetCode, Geeksforgeeks** and **HackerRank**
- Achieved 5-Star Ratings on [HackerRank](#)
- Certificate in Exercising Leadership: **Harvard Verified** [Certificate](#)
- Advanced to the Finale Round of the **Mindcare Innovators Hackathon**
- Problem Solving **Certificate** [Hackerrank](#)
- Object-Oriented Programming using Python **Certificate**
- Database Management System **Certificate**
- Certified in front-end technologies **(HTML, CSS, JavaScript)**