PARAS JOSHI

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Education

Graphic Era Hill University   **October 2021 — June 2025**
Bachelor of Technology in Computer Science and Engineering   *Uttarakhand*

Skills

Languages: C++, Java, Python, JavaScript
Technologies and Frameworks: React, Express.js, Node.js, Open CV
Developer Tools and Platforms: Git, Linux, Cloud Platforms, Visual Studio Code, MySQL
Soft Skills: Adaptability, Communication, Leadership, Teamwork

Projects

Handwritten Digit Recognizer | *Python, Keras, CNN, Open CV*   **January 2024 — March 2024**
- Developed a robust digit recognition system achieving 98% accuracy on the MNIST dataset by implementing a Convolutional Neural Network (CNN) using Keras and TensorFlow.
- Optimized model performance, resulting in a 30% reduction in training time by applying advanced preprocessing techniques, including image normalization and reshaping.
- Enhanced system versatility measured by successful recognition of custom handwritten digits by incorporating Open CV for real-time image processing and integrating it with the trained neural network model.

Automated Number Plate Recognition | *Python, Open CV, tkinter, Easy OCR*   **April 2023 — May 2023**
- Built a Plate Recognition system demonstrating 95% accuracy in real-time license plate detection by implementing Open CV and Easy OCR technologies in Python.
- Enhanced traffic management efficiency, Sustained 70% reduction in manual data entry time by automating the process of capturing and recognizing vehicle information.
- Integrated a multi-functional notification API boasting 100% successful delivery of e-challans and other important notifications.

Online Quiz Management System | *HTML/CSS, JavaScript, PHP, MySQL*   **October 2022 — December 2022**
- Created an end-to-end Online Quiz platform, resulting in a 30% increase in student engagement for self-assessment activities.
- Implemented user authentication and role-based access control, allowing separate interfaces for students and administrators, enhancing overall system security by 40%.
- Integrated a feedback system within the quiz platform, leading to a 25% improvement in question quality and user experience based on participant input.

Experience

WeCode Club   **June 2023 — July 2024**
Director of Club   *Uttarakhand*
- Mentored Data Structures and Web Development educational initiatives, mentoring 500+ students through structured curriculum development and hands-on coding sessions, resulting in a 40% increase in project completion rates.
- Executed and implemented multiple competitive coding contests, designing scalable problem sets, leading to a 30% improvement in participants'.
- Facilitated tech-focused workshops and seminars on advanced topics such as cloud computing, machine learning, and blockchain, achieving a 25% increase in attendees pursuing related projects.

Relevant Coursework

- Data Structures
- Database Management
- Algorithms Analysis
- Operating System
- Machine Learning
- Blockchain
- Computer Architecture
- OOP's Programming

Achievements

- **Secured 2nd place** in Tech Wizard 2.0, outperforming 4,500+ competitors.
- Led team "Immortals" to **3rd position** in IdeathonX Hackathon, spearheading Automatic Number Plate Recognition project.
- Mastered Google Cloud technologies through completion of Google Cloud Arcade Program on Skill Boost Platform.
- Demonstrated leadership as the Overall Leader Awardee for the NSS Special Camp, collaborating with the National Service Scheme and Graphic Era University.