Shivpujan Kumar

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Education

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, Tamil Nadu   **2022–25**
B.Tech in Computer Science and Engineering — CGPA: 7.48

Government Polytechnic Munger [SBTE], Munger, Bihar   **2019 − 2022**
Diploma in Computer Science and Engineering — CGPA: 7.82

Vivekanand Public School [CBSE], Nawada, Bihar   **2017 − 2019**
Secondary Education — 64.2%

Startup Experience

Founder & CEO - ApanaGhr   **2025 − Present**
- Launched an online PG & rental booking platform to help users find rooms and hostels.
- Developed an AI-driven roommate matching system (food preferences, profession, religion).
- Led product development, marketing, and customer acquisition, growing the user base.

Internship

Web Development Intern   **Nov 2021 − Dec 2021**
- Developed frontend web applications using HTML, CSS, and JavaScript.
- Gained experience in debugging, troubleshooting, and responsive design.

Projects

VIDEO ANALYTICS fOR ERGONOMICS STUDY IN WORKPLACE ENVIRONMENT   **2024**
- Led the development of an AI-driven video analytics system for workplace ergonomics.
- Designed real-time posture detection and analysis with customizable metrics.
- Implemented ML algorithms to monitor movements and provide instant psture feedback.
- Technologies: (Python, OpenCV, MediaPipe, TensorFlow, NumPy)

DEPLOYPROBE CAPACITY OF WEBSITE   **jan. 2025**
Web Performance Testing Tool that simulates high traffic and analyzes website scalability. Features concurrent load testing simulating thousands of users simultaneously. Real-time progress tracking with WebSocket-like functionality to monitor test execution. Estimates capacity of websites under load and provides actionable improvement recommendations.
-Techonologies:(Python,HTML/Django-HTML,CSS,JavaScript)

DETECT AND RECOGNIZE CAR NUMBER PLATE   **2023-2024**
- Built an AI-powered system for real-time vehicle detection and recognition.
- Applied Google Gemini AI for accurate character reading and advanced number plate analysis.
- Designed a Tkinter-based GUI integrated with MySQL database for secure data storage and retrieval.
- Implemented algorithms for real-time speed estimation, vehicle classification, and automated record management.
- Technologies Used: Python, OpenCV, YOLOv8, Tkinter, MySQL, Google Gemini AI.

Technical Skills

Languages: Java,Python, JavaScript, TypeScript.
Frontend:: HTML, CSS, Next.js, React.js, React Native, Tailwind CSS.
Backend Frameworks: Node.js, Express.js.
Databases: MySQL, PostgreSQL, MongoDB.
Tools and Technologies: VS Code, GitHub, PyCharm, IntelliJ IDEA, Canva, Figma
Libraries: TensorFlow, OpenCV, MediaPipe, NumPy, Matplotlib
Operating Systems: Windows, Kali Linux, Ms-office

Certifications

- **Machine Learning Using Python** - Infosys
- **Introduction to Android Development** - Infosys
- **Introduction to Cybersecurity** - Cisco
- **AWS Academy Cloud Foundations**

Achievement and Extracurricular Activities

- Participated in Startup-expo competition at IIT Guwahati.
- Secured 3rd place in the Abhigyan Pahal college competition.
- Attended a IoT workshop.
- Participated in academic hackathon and codeathon competitions.
- Participated in college ideathon Competitions.