Harsh Kumar

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SUMMARY

CSE student (2027) with patent-published projects, Web-Dev expertise, and proven leadership as TPP CR & event coordinator, skilled in product innovation, applying AI to healthcare Automated workflows, and clinical dashboards.

PROJECTS & INNOVATIONS

Dual-Segment E-Commerce Website (Patent Published)
- Engineered a dual-segment platform for **premium (affiliate)** and **budget buyers**, simulating **30% improved conversion**.
- Filed a patent (University Verified) for the dual-segment shopping combining affiliate and budget-oriented experiences.

Shaker Bottle with Integrated Mechanism (Patent Published)
- Designed a **dual-compartment shaker** with sealed mixing, validated by **10+ user trials**.
- Focused on **hygiene, sustainability, and consumer health solutions**; patent filing in progress.

Hand-Gesture Recognition Airbrush (AI + Computer Vision)
- Built gesture-controlled systems with **AI-Assisted Tools and medical visualisation tools.**
- Achieved **30 FPS performance** and **95%+ recognition accuracy**, with potential for **Medical applications**.

EDUCATION

Bachelors in Computer Science Engineering
Chandigarh University • Mohali • 2023-2027 • 7.0

Intermediate (CBSE)
M.K. DAV Public School • Jharkhand • 2021-2022 • 75%

Matriculation (ICSE)
Sacred Heart School • Jharkhand • 2019-2020 • 70%

CERTIFICATIONS

Cloud Computing (Elite)
Issued by IIT Kharagpur via NPTEL • 2025

META Front-End Development
Coursera • 2024

LEADERSHIP & MANAGEMENT EXPERIENCE

TPP and Academic CR(1st-5th Sem): Led placement-prep coordination, managing academic & peer collaboration.

Core Member – YOC (Operations Team): Supported event operations and logistics, enhancing communication & teamwork.

Event Coordinator (DACA and DSW): Organised FAP, Tashan Nites, Managed Orientation, CU Fest, Freshers. (Certificates Awarded).

Technical: C++(Major), Python, JAVA, HTML, CSS, JS, AI/ML Tools.

Soft Skills: Communication, Stakeholder Coordination, Strategic Planning, Cross-Functional Collaboration, Team Leadership.

Languages: English, Hindi.