

# Sambhav Shrivastava

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## SUMMARY

Driven Computer Science undergraduate specializing in scalable AI/ML and IoT solutions. Proven track record of boosting user engagement, optimizing real-time systems, and delivering data-driven products. Seeking an ML Engineer role to transform complex data into actionable insights.

## TECHNICAL SKILLS

- Languages:** Python, C++, Java, JavaScript, SQL (MySQL, PostgreSQL)
- AI/ML:** Scikit-learn, TensorFlow, model fine-tuning, prompt engineering, OpenAI API
- IoT & Embedded:** ESP32, Arduino, MQTT, real-time data pipelines
- Web & Cloud:** React, Node.js, Firebase, RESTful APIs
- Tools:** Git, Docker, Linux, Jupyter, PowerPoint, Excel
- Soft Skills:** Leadership, cross-functional collaboration, problem solving

## EXPERIENCE

- Team Lead, Videography & Student Coordinator** 2024 – 2025  
*GDGC, VIT Bhopal*  
Spearheaded a 7-member videography team to produce 30+ promotional reels, increasing Instagram views by 120%—the highest in club history.  
Coordinated end-to-end video production for “Google Olympics,” driving event sign-ups up by 60%.  
Aligned creative and technical teams to streamline branding workflows, reducing content turnaround time by 35%.  
Mentored team members in video editing and storytelling best practices, boosting productivity by 25%.

## PROJECTS

- SkillLink: Collaborative Networking Platform** 2024  
*React, Firebase, Python, ML*  
Architected a user-matching algorithm leveraging a fine-tuned NLP chatbot, improving connection success rates by 40%.  
Preprocessed and labeled over 5,000 user profiles to train recommendation models, achieving 85% accuracy.  
Deployed CI/CD pipeline on Firebase, reducing deployment time from hours to under 15 minutes.
- MediCare ICU: Real-Time Health Monitoring** 2024 – 2025  
*ESP32, Firebase, Python, ML*  
Engineered ESP32-based “Vitals Center” to stream patient metrics with sub-second latency and 98% data integrity.  
Developed and fine-tuned an ML chatbot for triage Q&A, reducing nurse response load by 45%.  
Optimized hardware and software trade-offs to increase system portability by 30% while ensuring 24/7 uptime.

## EDUCATION

- Vellore Institute of Technology, Bhopal** 2023 – 2027  
*B.Tech in Computer Science and Engineering*  
CGPA: 8.60
- Indian Institute of Technology, Madras** 2024 – 2028  
*BS in Data Science and Applications*  
CGPA: 8.51