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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

PROJECTS

SkillLink: Collaborative Networking Platform <i>React, Firebase, Python, ML</i>	2024
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 <i>ESP32, Firebase, Python, ML</i>	2024 – 2025
Engineered ESP32-based “Vitals Center” to stream patient metrics with sub-second latency and improved data integrity. Developed and fine-tuned an ML chatbot for triage Q&A, reducing nurse response load Optimized hardware and software trade-offs to increase system portability while ensuring 24/7 uptime.	

EDUCATION

Oxford Public School <i>CBSE, Class X</i>	2019-2020 Percentage: 93.4%
Hansraj Smarak Sr Sec School <i>CBSE, Class XII</i>	2022-2023 Percentage: 90%
Vellore Institute of Technology, Bhopal <i>B.Tech in Computer Science and Engineering</i>	2023 – 2027 CGPA: 8.60
Indian Institute of Technology, Madras <i>BS in Data Science and Applications(Online)</i>	2024 – 2028 CGPA: 8.51

EXPERIENCE

Team Lead & Student Coordinator <i>GDGC, VIT Bhopal</i>	2024 – 2025 Bhopal, India
Spearheaded a 7-member videography team to produce 10+ promotional reels, increasing views by 220%—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%.	