

EDUCATION

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- **Vellore Institute of Technology** (2022 – 2027)
Int M. Tech CSE (Computational and Data Science) | CGPA: 8.56

SKILLS

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- **Languages:** Java, Python, SQL.
 - **Tools:** Git, GitHub, MS Excel, Power Bi, Figma.
 - **Core Competencies:** Data Structures Algorithms, Operating Systems, Machine Learning, Computer Vision, Web Scrapping.

INTERNSHIP EXPERIENCE

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- Sabudh Foundation (Data Science Intern)** (Dec, 2024 – June, 2025)
- Created and deployed ML and DL models using Python, Scikit-Learn, and Random Forest, improving classification accuracy by 25% through optimized feature engineering, hyperparameter tuning, and cross-validation, with foundational knowledge in NLP and computer vision.
- IITI Drishti CPS Foundation, IIT Indore (Data Analytics Intern)** (Nov, 2025 – Dec, 2025)
- Spearheaded the audit of a machine scheduling algorithm preventing a 57% strategic cost hike, and engineered a predictive heart disease simulation engine analyzing 400k+ clinical records using Power BI.

PROJECTS

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- SOS For Emergency Using DL** (April 2025)
- Engineered a real-time SOS application to accelerate emergency response, connecting users with responders in under 3 minutes. The system features live tracking and secure, AES-encrypted image transfer, cutting dispatch delays by up to 60%.
 - Designed and developed intuitive UIs for the website and mobile application, improving user engagement by 40% and enabling seamless access to emergency services.
 - Developed deep learning models using TensorFlow and integrated real-time alert APIs trained on 10K+ labeled emergency datasets, achieving 85% accuracy and automating alerts to nearby emergency centers, reducing response time by 30%.

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- VITGPT** (Oct 2023)
- Launched an AI-driven chatbot for VIT students, resulting in a 40% reduction in manual inquiry handling time and providing instantaneous responses to student questions, benefiting over 5,000 users each academic year.
 - Integrated Firebase for real-time data management and optimized user authentication, increasing chatbot responsiveness by 25% for 5,000+ students.
 - Led a 3-member team to enhance chatbot NLP accuracy and secure 500+ user records through encryption and access controls, improving reliability and engagement.

RESEARCH

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- **Published a research paper** titled “AI-Powered Medical Emergency Detection and Verification Using Deep Learning” in IEEE Xplore at World SUAS 2025, Indore, showcasing an AI-driven solution to enhance real-time emergency response efficiency.

LEADERSHIP EXPERIENCE

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- Oversaw resources, stage operations, finances, and discipline for the Advitya Cultural Fest at VIT Bhopal, which drew 1,500+ people. Through effective planning, expenses were reduced by 20%.
 - Core member of the Gujarati and Hindi clubs, I coordinated social media for ten or more events and guided one hundred students in the organization of cultural and academic activities.

ADDITIONAL

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- **Hobbies-** Tech Trendy, Cooking, Listening Music, Playing Badminton, Dance, Drawing.
 - **Languages:** English, Hindi