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EDUCATION

Degree/Certificate	${\bf Institute/Board}$	CGPA/Percentage	Year
B.Tech. in ECE	National Institute of Technology, Warangal	7.69	Dec'21-May'25
Senior Secondary	Sunbeam Academy Varanasi, Uttar Pradesh	95.8%	Jun'19-Apr'21
Secondary	Jawahar Navodaya Vidyalaya Buxar, Bihar	97.6%	Aug'14-Apr'19

EXPERIENCE

 SAP Labs May'24 - July'24

Software Development Engineer Intern | AI/ML Track

Bengaluru, India

- Synthetic Media Detection: Engineered CNN models (EfficientNet-B4) achieving 97.16% accuracy for image authenticity verification and 98.0% accuracy for audio deepfake detection using mel-spectrogram analysis.
- Production Deployment: Deployed models through Hugging Face Inference API with REST endpoints, integrated into SAP Fiori applications using UI5 Framework and OData services
- Real-Time Analysis: Designed a video streaming pipeline with OpenCV and WebRTC, enabling 1080p feed processing at 18 FPS on cloud infrastructure.
- Full-Stack Integration: Developed a Python Flask backend managing 30+ concurrent media analysis requests efficiently.
- Model Development: Trained and validated detection models using Tensorflow with 140k+ synthetic/natural media samples

Personal Projects

 ChatWave Apr'23-Jul'24

Full-Stack Real-Time Chatting App

GitHub

- Full-Stack Development: Architected a scalable chat platform using React.js with Redux-Toolkit for state management and a Node is backend handling 50+ concurrent connections, ensuring <200ms message latency.
- Real-Time Architecture: Devised an event-driven messaging system via Socket.io, implementing message compression and reducing bandwidth usage by 40% through binary protocol optimization.
- Security: Secured user data with JWT authentication, refresh token rotation, and AES-256 encryption for message storage in MongoDB Atlas.
- UI/UX: Created responsive interface using Chakra UI with theme switching and accessibility features
- Group Chat Features: Engineered CRUD operations for chat rooms with granular permissions (admin roles, user banning) and Redis-cached participant lists

 SKINVANA Sep'23 - Oct'23 A SQL Project On Database Management System

Link

- Relational Database Design: Built MySQL database with 15+ tables to store user profiles, skin surveys, and product data for customized skincare recommendations
- Database Architecture: Constructed ER models and implemented 3NF, BCNF normalization across 20+ entities, reducing data redundancy by 65% while maintaining 50+ skin/product attributes also collaborated with team members to structure complex relationships efficiently.

TECHNICAL SKILLS AND INTERESTS

Languages: C++, Python, JavaScript, SQL, NodeJs, HTML, CSS, CAP

Developer Tools: GitHub, Visual Studio Code, Git Frameworks: Bootstrap, ExpressJS, SAP UI5, Reactjs Cloud/Databases: MySQL, MongoDB, SAP Hana Cloud

Coursework: Data Structure and Algorithms, OOPs, Operating system, AI and ML, DBMS

ACHIEVEMENTS

•	Solved 400+ DSA questions on coding platforms such as LeetCode, CodeChef and GFG.	Apr'24
•	99.32%ile marks among 10 lakh $+$ Students, JEE MAINS Mar'21	Mar'21
•	NTSE Qualified	Jun'19

• District Topper in Class 10 and Received the Best Student award

Jun'19