VEMURI PRINCE TARUN

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EDUCATION

B.Tech in Computer Science and Engineering — **Sep 2024 – Apr 2027**
Lakireddy Bali Reddy College of Engineering, Mylavaram — CGPA: 9.2/10

Diploma in Computer Engineering — **Jun 2021 – May 2024**
AANM & VVRSR Polytechnic, Gudlavalleru — CGPA: 9.4/10

PROFESSIONAL EXPERIENCE

MERN Full Stack Developer (Internship) - TheSmartBridge — Mar 2025 – May 2025

- Architected and delivered ResolveNow, a production-ready MERN-based complaint management platform with role-based dashboards (Admin, Agent, User) and RESTful APIs.
- Implemented JWT-secured authentication, real-time complaint tracking, agent assignment logic, and in-app chat, handling hundreds of concurrent complaints with consistent state synchronization.
- Built an admin analytics system tracking assigned, in-progress, and resolved complaints, significantly improving resolution transparency, workflow efficiency, and accountability.

Industrial Trainee – MSME-CITD — Jun 2023 – Nov 2023

- Participated in **product design & development workflows** in a government MSME.
- Explored **low-level system architecture** and **hardware-software integration** in manufacturing.

PROJECTS

Resilient SOS - Emergency Response Platform [Github] [Demo]

- Built Resilient SOS, a high-performance offline-first emergency response PWA using React, Node.js, MongoDB, designed to operate with no or low network connectivity.
- Implemented store-and-forward messaging, chunked data transmission, and atomic reassembly in MongoDB, ensuring fast, reliable SOS delivery even on weak signals.
- Engineered a low-latency, fault-tolerant backend with real-time NGO dispatch (SSE), deduplication, caching, and rate limiting, enabling super-fast response and high system reliability.

AI-Enhanced Assignment Submission & Evaluation System [Github]

- Built LBRCE Assignment Portal, a full-stack academic platform using Java Servlets, JDBC, JSP, and Python-based AI services, deployed on Render.
- Integrated AI/ML microservices (Python) for plagiarism detection, automated grading assistance, topic classification, and performance prediction via REST-based service communication.
- Designed a hybrid Java–Python architecture with database-backed analytics dashboards for students, faculty, and admins, improving evaluation efficiency and academic insights.

TECHNICAL SKILLS

Languages : TypeScript/JavaScript, Python, Java
Tools : Docker, Git, Vercel, Firebase, AWS
Frameworks : React, Node.js, Next.js, ExpressJS, SpringBoot
Databases : PostgreSQL, MySQL, MongoDB

KEY ACHIEVEMENTS

- Salesforce Certified Agentforce Specialist (Dec 2025)
- AWS Certified Cloud Practitioner (2025–2028)
- Microsoft Azure Fundamentals (AZ-900) (Jun 2025)
- MERN Full Stack Internship — TheSmartBridge (Mar–May 2025)
- Google Cloud Generative AI Internship — TheSmartBridge (Mar–May 2025)
- Cisco AICTE Cybersecurity Internship - Cisco (Jun–Aug 2025)