VEMURI PRINCE TARUN

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Summary

Third-year Computer Science and Engineering student with hands-on experience building scalable, cloud-native and AI-integrated systems using MERN, Java, and Python.
Strong foundation in distributed systems, RESTful APIs, offline-first architectures, real-time communication, and cloud platforms (AWS, Azure, GCP, Salesforce).

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

Experience

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.

MERN Full Stack Developer Intern — TheSmartBridge — Mar 2025 – May 2025

- Built MERN web applications with REST APIs and database integration.

Google Cloud Generative AI Intern — FutureSkills Prime — Mar 2025 – May 2025

- Completed hands-on Generative AI labs on Google Cloud Platform.

Salesforce Developer Intern — TheSmartBridge — Apr 2025 – Jul 2025

- Developed and automated Salesforce CRM using flows and custom objects.

Cybersecurity Virtual Intern — Cisco Networking Academy — Jun 2025 – Aug 2025

- Completed cybersecurity labs covering threats and secure systems.

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.
- Designed a hybrid Java–Python architecture with database-backed analytics dashboards for students, faculty, and admins, improving evaluation efficiency and academic insights.

Certifications

- Salesforce Certified Agentforce Specialist - Salesforce (Dec 2025)
- AWS Certified Cloud Practitioner - AWS (2025–2028)
- Microsoft Azure Fundamentals (AZ-900) - Microsoft (Jun 2025)

Technical Skills

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