

SHIVA TEJJ CHEEDALLA

Full Stack Developer

Contact

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 Hyderabad

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Technical Skills

Frontend: ReactJS, HTML, CSS

Backend: NodeJS

Databases: MongoDB, Supabase, Firebase

Deployment: VPS Hostinger

Tools: Git, GitHub

Certifications

- AICTE – AWS Data Analytics
- AWS – Google AI/ML
- Responsive Web Design – FreeCodeCamp
- Python for Everybody – Coursera

Achievements

- Best Major Project — MVSR Engineering College (2024)

PROFESSIONAL SUMMARY

Full Stack Developer experienced in building scalable web applications using React, Node.js, MongoDB, Supabase and Firebase. Adept at authentication, REST APIs, backend logic and deployment on VPS Hostinger. Passionate about solving real-world problems in EdTech, automation and enterprise digital solutions.

EXPERIENCE

Full Stack Developer Intern — YOI Media LLP

Duration: 2 Months | Hyderabad

- Developed and optimized modules for internal products using React and NodeJS.
- Integrated role-based authentication and secure session lifecycle management.
- Increased API response speed by improving backend logic and database queries.
- Assisted with production deployments and server configuration on VPS.

PROJECTS

Automated Distractors Generation — 2024

Tech: Python, NLP, TensorFlow, Anvil, SentenceTransformer

- Built a distractor generation engine achieving **90% distractor accuracy on 500+ MCQs**.
- **Saved 10+ educator hours weekly** by automating option generation.
- Used semantic similarity scoring and context filtering for distractor selection.
- Tested with **100+ real students across academic quizzes** with measurable improvement.

Automated Question Generation — 2024

Tech: Python, Transformer Models, HuggingFace, Flask API

- Created a text-to-question pipeline using generative transformer models.
- Reduced question preparation time by **30%** and increased output clarity by **20%**.
- Deployed model for **50+ educators** with stable backend performance at scale.
- Implemented answer key validation + difficulty scoring for teachers.

Plant Species Identification — 2023

Tech: CNN, TensorFlow, Keras, Computer Vision

- Developed a CNN classifier achieving **92% accuracy on 5,000+ leaf images.**
- Optimized inference engine to classify images in **under 2 seconds.**
- Integrated pre-processing pipeline for noise removal, leaf segmentation & resizing.

Gamified Anti-Doping Education Platform — SIH 2024

Tech: React, NodeJS, MongoDB, JWT Auth, Game Design

- Built a gamified learning platform with **quizzes, rewards and leaderboard system.**
- Boosted student learning engagement by **60%** through reinforcement-based gameplay.
- Integrated authentication + secure database layer for **200+ active users.**

EDUCATION

Bachelor of Engineering — MVSR Engineering College

2021 – 2025