

Vulli Mohan Durga Prakash

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Rajahmundry, Andhra Pradesh

Profile

Computer Science undergraduate with strong hands-on experience building production-ready full-stack and AI-powered web applications, focusing on secure authentication, API integration, database design, and delivering scalable real-world features.

Skills

- **Languages:** Java, JavaScript, TypeScript, HTML, CSS
- **Frontend:** React, Next.js (App Router), Tailwind CSS
- **Backend:** Node.js, Express.js, Next.js API Routes, JWT
- **Database / ORM:** MongoDB, Prisma ORM, Mongoose
- **APIs / Tools:** Groq AI, OCR.Space API, TMDB API, Git, Postman

Certifications

- Oracle Cloud Infrastructure — Certified Generative AI Professional (Jul 2025)
- Oracle Cloud Infrastructure — Certified Foundations Associate (2025)
- JavaScript Essentials — Cisco Networking Academy (May 2024)

Projects

StudySphere — AI-Powered Study Assistant

- Built a full-stack AI learning platform enabling automated note generation, AI-driven quizzes, and timed tests from PDFs using OCR and LLMs with secure authentication.
- Implemented auto-evaluation, performance analytics with AI explanations, and downloadable PDF reports with user-specific data storage.

Technologies: Next.js, React, Tailwind CSS, Node.js, MongoDB, JWT, OCR.Space API, Groq AI

Live: studysphere-nzsb.vercel.app

Smart Trip Planner — AI Travel Assistant

- Developed an AI-based travel planning application generating personalized itineraries based on user inputs with JWT-secured access.
- Enabled trip saving, management, and offline access through downloadable PDF itineraries backed by MongoDB.

Technologies: React (Vite), Node.js, Express.js, MongoDB, JWT, Groq AI

Live: smart-trip-planner-ndvp.vercel.app

MovieVerse — Online Movie Ticket Booking Platform

- Built a full-stack movie booking system supporting seat selection, booking history, and secure authentication using TMDB API and Prisma ORM.
- Implemented QR-code based PDF e-ticket generation with protected user-specific booking routes.

Technologies: Next.js 16, React, Tailwind CSS, MongoDB, Prisma ORM, JWT, TMDB API, pdf-lib

Live: movieverse-zeta-bice.vercel.app

Spotify Clone — Music Streaming Web App

- Developed a frontend-only music streaming interface supporting search, trending tracks, and 30-second audio previews using the iTunes Search API.

Technologies: HTML, CSS, JavaScript, iTunes Search API

Live: mohan9657.github.io/spotify-clone

Education

- **VIT-AP University, Amaravathi** — B.Tech CSE (2022–2026) • GPA: 7.98
- **Tirumala Junior Kalasala** — Intermediate MPC (2020–2022) • 87.1%
- **Tirumala E.M. High School** — 10th Standard (2020) • 100%

Hobbies

Badminton, cricket, solving puzzles, exploring new technologies, watching movies