

# Vulli Mohan Durga Prakash

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Rajahmundry, Andhra Pradesh

## Profile

Full Stack Developer with hands-on experience building production-ready web applications using React, Next.js, Node.js, and MongoDB. Experienced in developing secure authentication systems, REST APIs, and user-specific data handling for scalable applications. Skilled in integrating AI-driven workflows and external APIs to deliver reliable, end-to-end web solutions.

## Skills

- **Languages:** Java, JavaScript
- **Frontend:** React, Next.js (App Router), Tailwind CSS
- **Backend:** Node.js, Express.js, REST APIs, JWT Authentication
- **Database / ORM:** MongoDB, Prisma, Mongoose
- **Tools & Platforms:** Git, Postman, OCR Integration
- **Deployment:** Vercel, Render

## Projects

### Study Sphere — AI-Powered Study Assistant Repo Live Next.js | React | MongoDB | JWT | AI

- Built a full-stack AI platform converting PDFs into notes, quizzes, and timed tests using OCR and LLMs with JWT authentication.
- Developed a configurable quiz engine with difficulty levels, timers, auto-submission, and AI-based performance explanations.
- Implemented secure per-user data storage in MongoDB for note management, test history, and downloadable PDF reports.

### MovieVerse — Online Ticket Booking Repo Live Next.js | React | MongoDB | Prisma | JWT | APIs

- Built a full-stack movie booking platform using Next.js App Router, Prisma, and MongoDB with seat selection and booking history.
- Integrated TMDb and external APIs to display real-time movie data including trailers, ratings, and cast details.
- Implemented JWT authentication, booking management, simulated payments, and QR-based PDF ticket generation.

### Smart Trip — AI Travel Assistant Repo Live React | Node.js | Express | MongoDB | JWT | AI

- Built a full-stack AI travel planner generating personalized itineraries based on destination, budget, and duration.
- Implemented JWT-based authentication with secure, user-specific trip storage in MongoDB.
- Added offline access by generating downloadable PDF itineraries for use without internet connectivity.

### Spotify Clone — Music Streaming Web App Repo Live HTML | CSS | JavaScript | APIs |

- Built a Spotify-like frontend app with authentication, song search, trending tracks, and 30-second audio previews.

## Technical Highlights

- REST API design and integration
- JWT-based authentication & protected routes
- AI-powered content generation workflows
- PDF and QR-based document generation

## Education

- **VIT-AP University, Amaravathi** — B.Tech in Computer Science (2022–2026) • GPA: 8.32

## Certifications

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

## Awards & Achievements

- Solved **100+ Data Structures and Algorithms** problems through competitive coding challenges.
- Recognized for strong **Java and OOPs** problem-solving skills during coding competitions.

**More Projects:** GitHub