

# MAHENDRA REDDY AVULA

Ongole, Andhra Pradesh,

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## Summary

Final-year B.Tech student specializing in Artificial Intelligence with strong foundations in full-stack web development and cloud computing. Experienced in building scalable applications using the MERN stack, integrating third-party APIs, and deploying on cloud platforms.

## Skills

**Languages:** SQL, Python, HTML, Javascript

**Frameworks & Technologies:** CSS, MongoDB, Express.js, React.js, Node.js

**Tools & Platforms:** Git, GitHub, MongoDB Atlas

## Experience

### Web Development Internship

June 2025 – September 2025

Zaalima Developments (*Remote*)

- Led front-end development for dynamic web platforms, building responsive UIs with React.js, Tailwind CSS, and rich interactive components for e-commerce, blog, and real-time collaboration applications
- Designed and optimized MongoDB schemas across multiple projects, enabling efficient querying, data integrity, and seamless connection with Express and Node.js back-ends
- Incorporated and tested third-party APIs such as Cloudinary (image uploads), Stripe (payments), and Google AdSense, expanding platform capabilities and streamlining user workflows.
- Strengthened MERN stack expertise through projects covering JWT authentication, CRUD operation.

## Projects

### E-Commerce Store For Clothes



- Developed a dynamic and responsive front-end using React.js and Tailwind CSS, enabling users to customize apparel, upload designs, and preview products live — improving engagement by 25%.
- Created robust MongoDB database schemas for inventory, order management, and user profiles, streamlining CRUD operations and reducing retrieval time by 40%.
- Blended Cloudinary for image uploads and Stripe for payment processing, increasing checkout success rates and efficiency.
- Collaborated with teammates to deploy the full-stack app via Vercel and Render, delivering reliable multi-user access.

### Medical Adherence System



- Developed secure, user-friendly interfaces for patients and doctors to track prescriptions, set reminders, and monitor adherence — improving engagement and reducing missed doses by 25%.
- Developed MongoDB schemas and implemented role-based access control using JWT to ensure data privacy and real-time updates for compliance dashboards.
- Integrated SMS, email, and push notification alerts for missed doses, enabling timely interventions and improving treatment adherence.
- Collaborated on deploying the system to cloud infrastructure, ensuring scalability, security, and reliable access.

## Certifications

- **AWS Cloud Virtual Internship – AICTE (2025):** Hands-on experience in EC2, S3, IAM, and cloud deployment.
- **Web Full Stack Development Internship – 2025:** End-to-end MERN stack development experience.
- **Artificial Intelligence Course – IBM SkillsBuild (2025):** Learned ML concepts, neural networks, and real-world AI applications.

## Education

### Bachelor of Technology (B.Tech), Artificial Intelligence

2022 - 2026

*QIS College Of Engineering And Technology, Ongole*

CGPA: 7.9 / 10

### Intermediate (Class XII)

2020 - 2022

*Sri Chaitanya Junior College, Guntur*

CGPA: 8.9/ 10