

# Manasai Stanly J

## Full Stack AI Developer

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 Manasai Stanly J

 manasistanlyj

## Education

### Adhiyamaan college of Engineering

B.E Computer Science Engineering

05/2024 – 05/2028

Hosur,TamilNadu

## Professional Experience

### LIT

#### Intern - Web Development

- Collaborated with a cross-functional team to build a high-performance e-commerce website using Node.js, Express, and MongoDB.
- Engineered and optimized RESTful APIs for seamless product management, cart functionality, and secure user authentication.
- Boosted site speed and reliability by refactoring backend code and leading effective version control with Git/GitHub.

## Projects

### Campus Approval System

#### Bonafide - Digital Certificate System

- Built a full-stack automated workflow using Next.js, NestJS, and TypeScript to digitize college approvals with secure, multi-level RBAC (Role-Based Access Control).
- Implemented secure multi-level approvals and REST APIs with TypeScript, Prisma ORM, and PostgreSQL
- Streamlined delivery by deploying the frontend on Vercel and the backend/database on Railway, ensuring high availability and seamless CI/CD integration.

### Smart Rural Utility Analytics

#### Bilingual Consumption Forecasting and OCR-Based Data Extraction System

- Developed a bilingual (Telugu/English) web application for rural households that digitizes electricity and water bills using OCR and applies machine learning models to analyze historical usage patterns and forecast future consumption.
- Implemented end-to-end system architecture including data preprocessing, feature engineering, and predictive modeling, integrated with a user-friendly web interface tailored for accessibility and regional language support.
- Deployed the application on a production environment with optimized performance, ensuring reliable data handling, scalable forecasting workflows, and real-world usability for rural utility consumption monitoring.

## Technical Skill

Languages: JavaScript, Python, Java, C, SQL

Frameworks: React.js, Next.js, Node.js, RESTful APIs, MongoDB

Developer Tools: Git & GitHub, VS Code, Docker (basic)