

Yesu Balla

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🌐 yesuballa.live in YesuBalla 🌐 YesuBalla

SUMMARY

Versatile full-stack developer skilled in JavaScript, React, Node.js, and Python, with hands-on experience building scalable, user-friendly web applications. Proficient in MongoDB, secure API development, and implementing OAuth and JWT-based authentication. Currently strengthening data structures and algorithms to write more optimized code. Passionate about automation and exploring AI tools like OpenAI APIs to boost productivity and problem-solving.

EDUCATION

Nxtwave Disruptive Technologies

Jan 2023 - Ongoing

Industry Ready Certification in Full-stack Development

Samhitha Degree and PG College, Rajahmundry

2017 - 2021

Bachelor of Science in Mathematics, Statistics, Computer Science

PROJECTS

FinVisual – Personal Finance Tracker [\(Live Demo\)](#)

- Built a full-stack web app to help users track and manage personal finances securely using Next.js and MongoDB.
- Implemented secure login with email/password and social logins (Google, GitHub) using NextAuth.
- Designed protected REST APIs using Mongoose so users can safely add, update, delete, and view their own transactions.
- Used Zustand for state management and styled the UI with Tailwind CSS and Shadcn for a responsive and accessible interface.
- Added interactive pie and bar charts to visualize spending trends by category and over time.
- Currently working on adding automated insights using data science techniques to help users better understand their spending behavior.
- Developed a /api/seed-transactions route to instantly populate test data for demo and development.
- More features are being added to enhance usability and insights.
- Tech Stack: Next.js 14, MongoDB, NextAuth, Zustand, Tailwind CSS, Shadcn, Axios, Chart.js

ToDo App – MERN Stack Task Manager [\(Live Demo\)](#)

- Developed a fully functional full-stack task management web app using the MERN stack (MongoDB, Express.js, React.js, Node.js).
- Enabled secure user registration, login, and password change functionality using JWT, bcrypt for hashing, and JoiPasswordComplexity for validation.

- Designed modular RESTful APIs with Express and Mongoose to allow users to create, update, delete, and view personal tasks securely.
- Built an interactive frontend using React with React-Bootstrap for responsive design and floating input labels.
- Implemented task pagination and CSV file upload support to allow batch task creation on both client and server.
- Used localStorage to persist login sessions and reload authenticated views dynamically.
- Deployed backend on Render and frontend on Netlify with a polished UI and smooth user experience.
- Future updates include drag-and-drop task reordering and due-date reminders.
- Tech Stack: MongoDB, Express.js, React.js, Node.js, JWT, React-Bootstrap, Axios, CSV-Parser

Yesu Balla 3D Portfolio ([Live Demo](#))

- Cloned and customized a public 3D portfolio template using React and Three.js, replacing original content with personal branding, projects, and contact details.
- Integrated a 3D interactive landing page with @react-three/fiber to showcase creativity and front-end technical skills in a visually immersive way.
- Connected a 2D OS-style inner site (via a separate repository) for in-depth project and skill browsing, deployed independently using Netlify.
- Built a custom Node.js + Express backend with Nodemailer to securely handle contact form submissions through Gmail App Password authentication.
- Implemented CORS, TLS, and environment-based email configuration to ensure reliable and secure email delivery.
- Optimized frontend performance with lazy loading, compressed assets, and React best practices for smooth animations and fast load times.
- Deployed the 3D site on Render with an Express backend serving the production React build.
- Tech Stack: React.js, Three.js, @react-three/fiber, Express.js, Nodemailer, Node.js, Netlify, Render

CERTIFICATIONS

Industry Ready Certification in Full-stack Development

SKILLS

Frontend: HTML, CSS, JavaScript (ES6+), React.js, Next.js, Bootstrap

Backend: Node.js, Express.js, Python (Django)

Databases: MongoDB, SQLite

Tools & Others: Git, Data Structures & Algorithms