YASH KALANGE

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Skills

HTML | CSS | JavaScript | TypeScript | React | NextJs |NodeJS | Express | MongoDB | SQL | Prisma | Git | Java

Projects

1. NeuraOp | (Ongoing)

- Developing a comprehensive ERP solution tailored for the manufacturing sector to streamline resource planning and customer relationship management.
- Designing and implementing an interactive dashboard to provide real-time insights into production, inventory, finance, and sales/order data.
- Building a fully functional inventory and raw material management module for tracking stock levels, monitoring usage, and automating restocking processes.
- Integrating customer ledgers, invoicing, and transaction history to enhance financial transparency and client engagement.
- Enhancing operational efficiency by centralizing business data and automating routine workflows.

2. AI-Based Software Application Planner | Github | View

- Built a full-stack AI-powered platform to help developers and startups plan software projects and Implemented custom ML model (TF-IDF + Random Forest) for tech stack prediction
- Integrated OpenAI GPT-4o-mini for roadmap, architecture diagrams (Mermaid), budgeting, and risk analysis
- Developed modern UI using React, TypeScript, Tailwind CSS, Shadcn UI, and Framer Motion
- Backend powered by Node.js (Express) and Flask (Python) with MongoDB storage
  Supported real-time saving, PDF/JSON exports, and secure authentication

3. DevsCanvas | Github | View

- Enables real-time code editing and execution with a cloud-based compiler, supporting multiple programming languages.
- Built using React, TypeScript, Node.js, Express, Socket.IO, and PostgreSQL, providing a real-time collaborative code editor with multi-user support.
- Implemented WebSockets with Socket.IO for seamless collaboration, allowing multiple users to edit and execute code simultaneously.
- Integrated Monaco Editor for a VS Code-like experience, featuring syntax highlighting, auto-completion, and error detection.

4. Pencil Path | Github | View

- Built using HonoJS (Cloudflare Workers), TypeScript, Prisma, and PostgreSQL for a highly scalable and efficient backend, with responsive frontend features.
- Enables user authentication (sign-in/sign-up), input validation using Zod, and interactive blog functionalities like writing and viewing blogs.
- Implemented skeleton loaders for a seamless user experience during data fetch operations.
- Utilized Prisma ORM with PostgreSQL for robust data management and query optimization.

Certifications/Courses

Programming in Java NPTEL	**View**	**Jan'23- Apr'23**
Data Structures and Algorithm Fellowship	**View**	**June'23 - Nov'23**
Microsoft Azure Fundamentals	**View**	**Jan'24-Feb'24**
100xDevs Cohort 2.0	**View**	**Dec'23-July24**

Coursework

- **Object Oriented Programming, Data Structures and Algorithms, Database Management System, Computer Networking, Operating Systems,Data Science and Big Data Analysis,Cloud Computing , BlockChain Technology**

Education

AISSMS IOIT College, Savitribai Phule Pune University , India	**2021 - 2025**

BE in Computer Engineering | CGPA: **7.8/10**