PUSPAL PAUL

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EDUCATION

B.Tech in Computer Science and Engineering,
Government College of Engineering and Textile Technology, Berhampore — Expected 2025

SKILLS

Languages	JavaScript, TypeScript, Python
Frontend	React.js, Next.js, Tailwind CSS, MaterialUI, shadcn, DaisyUI
Backend	FastAPI, Node.js, NestJS, Express.js
Soft Skills	Time Management, Communication, Problem-solving and critical thinking
Databases and ORM	MongoDB, PostgreSQL, Prisma
Containerization	Docker
Tools & Testing	npm, Git, Github, Postman, SwaggerUI, Cypress

EXPERIENCE

Full Stack Engineering Intern — Dec 2024- May 2025
Hubnex Labs — *India*

- Built scalable web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js), integrating RESTful APIs and responsive front-end interfaces.
- Worked closely with cross-functional teams including designers and backend developers, participating in sprint planning, code reviews, and daily standups to ensure timely delivery of features.
- Integrated secure user authentication using JWT and managed application state efficiently with Redux and Context API for seamless user experience.
- Focused on performance tuning and UI/UX improvements, ensuring faster load times, mobile responsiveness, and user-friendly design across all supported platforms.

PROJECTS

LearnFlow, an AI-powered learning assistant — GitHub

- Developed a full-stack productivity application using Next.js, Node.js, Express, and MongoDB.
- Implemented AI-assisted learning tools, including a study timer, task prioritization system, and an AI chatbot powered by Gemini API, resulting in a 30% faster task completion rate.
- Designed a dynamic, responsive user interface to ensure an optimal user experience across all devices.

EuphonicAI, a mood-based music recommendation system — GitHub

- A full stack web application that gives music recommendations based on text and webcam input built using Next.js, FastAPI, Deepface and ML algorithms like Random Forest, CNN, VADER etc.
- Implemented a containerized architecture with Docker and Docker Compose, ensuring consistent development and deployment environments.
- The application features an interactive UI with real-time feedback, webRTC feature, secure API endpoints, and a responsive design.
- Leveraged modern development practices including type safety, environment configuration, and RESTful API design to create a scalable and maintainable music recommendation platform.