

JYOTI PRAKASH MOHANTA

Full Stack Developer

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OBJECTIVE:

Results-driven Full Stack Developer with 4 years of experience building web applications from idea to deployment. Enjoys creating fast, reliable, and user-friendly solutions using **Next.js, scalable database design, and strong backend systems**. Known for staying calm under pressure and resolving production issues quickly to keep systems running smoothly. Always focused on finding smarter ways to work, improving development speed, and making processes more efficient. Passionate about turning complex client requirements into simple, practical technology solutions that help businesses grow and teams work better.

SKILLS:

- **Language** : Nodejs, Python
- **Database** : Postgresql, Mysql, ORM (Prisma,Sqlmodel) , GraphQL, Vector DB
- **Frontend** : NextJs, ReactJs
- **Backend** : Nodejs (Expressjs, Nestjs), Python (Fast API)
- **AI** : LLM , GenAI, Integration open source models (Hugging Face, Azure, openrouter etc.), Agents (OpenAI Agents, Crew AI, Langgraph, Autogen, MCP) , Ollama
- **DSA** , Algorithm and Problem Solving
- **Cloud** : Docker , AWS, Digital Ocean, Azure
- **Blockchain** : Smart contract integration , ERC-20, , ERC-1155, Subgraph, Stablecoin Integration

WORK EXPERIENCE:

Full Stack Developer

January 2023 – Present

Settlemint India, New Delhi

- Boosted overall development speed by **up to 30%** through workflow optimization and improved code practices.
- Integrated **ERC-20 and ERC-1155** smart contracts into a Next.js application, enhancing Web3 capabilities.
- Implemented **MySQL stored procedures as APIs** in Node.js/Next.js, improving backend performance and efficiency.
- Built **5 scalable microservices** using NestJS, ORM, and GraphQL from scratch, and integrated them into a Next.js ecosystem.
- Debugged and enhanced complex application modules, improving system stability and user experience.
- Contributed to **system architecture design**, ensuring secure, scalable, and maintainable application structures.
- Delivered enterprise-level projects for clients including **SBI, Sony Bank, Kawasaki, Jharkhand Govt., Adani Defence, and DRDO**.
- Improved application **performance, code quality, SEO, and accessibility**, resulting in faster and more optimized solutions.
- Delivered measurable value by optimizing both **time and cost** across multiple projects.

- Took ownership of challenging tasks with consistency and sincerity, ensuring timely and high-quality delivery and maintained continuous learning and stayed updated with modern technologies.

Junior Associate Technology

May 2022 – December 2022

Publicis Sapient

- Worked on an ongoing **Lloyds Bank** project by creating and executing test cases for a **Java application**, improving software quality and reliability.
- Received excellent feedback from the **training mentor** and earned a **training completion certificate** for high performance during the program.

EDUCATION:

Bachelor's Degree in Computer Science and engineering

June 2018 – June 2022

C.V Raman Global University, Bhubaneswar

CGPA : 8.2

CERTIFICATE:

Microsoft Certified: Azure AI Engineer Associate

Credential ID: 879CCF5B665E7269, Cert No: 57B6YC-92D92B, Issued: Jul 1, 2025, Expires: Jul 2, 2026

AI Engineer Agentic Track: The Complete Agent & MCP Course

Certificate url: ude.my/UC-e13f52b3-237e-474d-a189-478a7c075aa0 , Certificate no:

UC-e13f52b3-237e-474d-a189-478a7c075aa0

PROJECTS:

Mascot AI- Nextjs, FastAPI, Digital Ocean,, Github, MySQL, OCR, GEN AI, LLM

Features:

- This provides role-based dashboards and workflows for docdept and QA teams, including AI-assisted document/protocol generation, protocol creation, template uploads, and viewing recent protocols, alongside admin management screens for users, roles, categories, and other system data.

Credit Underwriting- Nextjs, FastAPI, Digital Ocean, Github, MySQL, OCR, GEN AI, LLM

Features:

- AI powered corporate loan management system with advanced analyzing features and workflows..

VDR (Virtual Data Room) - Nextjs, Nestjs, AWS, WSO2, Github CI/CD, Microservice ,Minio, Blockchain, Github,

PostgreSQL

Features:

- Dynamically create workflow and manage the process with role assignment in any stages of the template like approve, reject, forward, backward , download , view, review etc.

- Validate documents in blockchain and versioning them.
- AI-powered document comparison, summaries, and insights with annotations at any stage.

Stablecoin Management System – Nextjs, Postgresql , Hasura, SubGraph, Blockchain Integration, Nodejs (backend) ,Metamask, Polygon Id, Iron Session

Contribute 40 % of frontend integration

Features

- Operator can manage stablecoin platform such as create new operator, approve and assign fiats to the newly registered user, Create Lazy mint and permit stablecoin, Update the redemption , transfer and buy fees of stablecoin , Increase the supply , Can pause, unpause , freeze , unfreeze stablecoin
- Verified users can buy, redeem, and transfer stable coins . Check the the transaction history and portfolio

Tokenized Share Application – Nextjs, Blockchain, Nest js, Postgresql ,Metamask, Nextauth ,NFT

Contribute 60 % of backend and frontend

Features:

- Companies can register to the platform . Create their digital shares in blockchain and can issue the shares to a registered user address.
- Users can login to the platform through metamask (integrated) or other wallet and can see there shares.
- Users can validate the share in open sea and can import the token or shares in their wallets.

Jharkhand Fisheries | Jharkhand Seed | Jharkhand PDMC – Nextjs, Nodejs (ExpressJs), Mysql, AWS

About 30% contribution to build and maintain the projects

Feature

- These are the Jharkhand govt. project where registered farmers can apply for different schemes .
- It has different roles and logins . As per the role assign and workflow application migrate and work order is created .It is a big and complete supply-chain project

Career Conversation – Nextjs , Python (Fast api) , LLM , Openai , RAG

Code: [</> Frontend](#) | [</> Backend](#) | [</> Demo](#)

Features

- It's a digital version of me . User can get about me by simple natural language .RAG implementation
- Can push notification if someone wants connect me or if the LLM not able to find the answer

Legal Auditor – HTML, CSS, JS , ,FastAPI, Github, MySql, GEN AI, LLM, Vector DB, LammaIndex, Ollama,Stripe

Code: [</> Frontend](#) | [</> Backend](#) | [</> Demo](#)

Features:

- Built LegalShield AI , a privacy-first SaaS platform for secure legal document audits and AI chat, running fully locally with zero data leakage. Created a scalable multi-tenant RAG system with integrated Stripe billing for commercial growth.

Customer Support – Nextjs, ,FastAPI,, Github, MySql, GEN AI, LLM, Vector DB, LammaIndex, Ollama, Stripe, kafka

Code: [</> Frontend](#) | [</> Backend](#) | [</> Demo](#)

Features:

- SupportSim AI (Customer Support Training Simulator) Engineered a privacy-first SaaS platform that trains support agents through realistic, AI-driven roleplay. Designed a multi-agent system using Next.js, FastAPI, and LangGraph where AI (local Llama 3.2) acts as emotionally responsive customers based on company documents, providing trainees with automated coaching and performance scoring.

Email Classification – Nextjs, Fast API (Python) , OAuth , Social Login, Langgraph Agent, LangSmit, PostgreSQL, SMTP

Code: [</> Backend](#) | [</> Frontend](#)

Feature

- OAuth and social login with proper session management
- Classify the email with HR, Delivery, or Engineering (custom model) and do sentiment analysis with huggingface opensource model automatically
- Summarise the email , text to speech , and speech to text like features integrated.
- Generate customized AI responses and send replies.

MCP based voice assistant – Nextjs , Python (Fast API), MCP , Openai agents, Sqlite, AWS

Code: [</> Frontend](#) | [</> Backend](#) | [</> Demo](#)

Features

- Agentic Chatbot with 8 MCPs, including 2 custom MCPs.
- Can do • File System in• Playwright browser automation • Semantic Scholar research • Time and location tools • Custom Task management with full database CRUD • Custom Trade MCP server • Real-time AI search • Communicate with voice command.

Engineering team – Nextjs , Python (Fast API), crew ai, openai, open router, ollama, AWS, Docker interpreter

Code: [</> Frontend](#) | [</> Backend](#) | [</> Demo](#)

Features

- Autonomous multi-agent engineering team that plans architecture, writes code, and tests end-to-end.
- Backend and frontend generation using FastAPI + Next.js with perfect cross-alignment.
- Secure Docker-based code execution enabling isolated backend, frontend, and QA operations.
- Fully automated QA system that runs test cases and ensures complete coverage.

Deep Research Agent – Nextjs, Python (Fast API) , CrewAI, openai ,open router, Ollama , Aws

Code: [</> Frontend](#) | [</> Backend](#) | [</> Demo](#)

Features

- Intelligent Query Decomposition — automatically breaks a user's research topic into multiple meaningful sub-queries for deeper coverage.
- Autonomous Multi-Model Research — uses multiple LLMs (GPT-4o-mini, Llama3, OpenRouter models) to gather, analyze, and cross-verify information.
- High-Quality Report Generation — produces a refined, structured, insight-rich research report with coherent summaries.
- Fully Automated Delivery System — formats the final report and sends it directly to a dedicated email address without manual intervention.

Langgraph Chatbot – Nextjs, Python (Fast API), Langgraph, AWS ,Tools

Code: [</> Frontend](#) | [</> Backend](#) | [</> Demo](#)

Features

- Uses Real Tools (Not Just Prompts) – it can actually send emails, run OCR, post to Telegram/WhatsApp, search the web, pull info from Wikipedia, and even generate PDFs on the fly.
- Built for Real Users – supports multiple users chatting at once, keeps memory in SQL, and handles parallel threads just like ChatGPT.
- Truly Agentic Behavior – the system triggers tools on its own, tracks token usage automatically, and logs every reasoning step through LangSmith.
- Production-Ready Setup – powered by FastAPI + LangGraph on the backend, Next.js on the frontend, and fully hosted on AWS.

Medical Healthcare – Nextjs , Python (Fast API) , AWS, Openai agents, LLM , SMTP

Code : [</> Frontend](#) | [</> Backend](#) | [</> Demo](#)

Features

- Reads and understands medical reports for you – just upload a file and the AI instantly extracts the important details and gives you a clear, easy-to-read summary.
- Helps patients get the right care faster – it automatically matches patients with the right specialists and even sends out email summaries with all the details attached.
- Makes clinic management effortless – from patient records to appointments and doctor profiles, everything is organized in one clean, modern dashboard.
- Automates the busywork – bulk-upload doctor data, generate pathology reports in seconds, and streamline tasks that usually take hours.

RAG Notebook – Nextjs, Openai, Postgresql (Vector store)

Code : [</> Github](#)

Features

- Chat with your documents – upload PDFs, Word files, text files, or even entire web pages, and instantly ask AI questions about the content like you're chatting with a teammate.
- Smooth, secure experience – sign in safely with Clerk, track upload and processing progress in real time, and let the app handle everything behind the scenes.
- Smart semantic search – your documents are transformed into vector embeddings, so the AI actually *understands* the meaning—not just the keywords.
- Built for real-world use – powered by Next.js, PostgreSQL + pgvector, Prisma, and OpenAI, all packaged in a clean Docker setup for easy deployment.