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# Jyoti Prakash Mohanta

## Full Stack AI Developer

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## ABOUT

Energetic Full Stack Software Developer focusing on API design, development and integration with real-world experience developing applications powered by AI. Participated in various projects including document summarization, email classification, RAG-based applications and AI agents, and applied modern frameworks and tools to develop scalable, performance-driven solutions. Highly skilled in leveraging AI-powered productivity improvements while sustaining an emphasis on quality, partnership, mentoring junior developers, and achieving successful product launches in high-velocity environments.

## SKILLS

**Framework :** Nextjs/Reactjs/ReactNative (frontend) , Nestjs/FastAPI (Backend), Shadcn + Tailwindcss (UI)

**Language :** Nodejs, Python, Solidity

**Database :** Postgres, Mysql, Mongodb, Vector Databases (Chroma,Faiss,PGVector)

**AI/ML :** Azure AI , Langchain, LangGraph (Agentic AI) , LangSmit , OpenAI, Anthropic,Ollama

**Blockchain :** Smart Contract, Tonerization, NFT, Public Blockchain, Subgraph, Supplychain

**Tools :** Docker, Git, Cursor , Github Copilot, Swagger, WSO2, Jira

**Cloud Service :** AWS, Azure

**Miscellaneous :** Microservice Architecture, SDLC Development, Teamwork and Collaboration

## EXPERIENCE

**SettleMint India, Delhi** - *Full Stack Developer*

JAN 2023 - PRESENT

- Builds full-stack applications from the ground up and is involved in all stages of software development, from gathering requirements and designing the app to deploying it and providing production support.
- Worked with DevOps to improve CI/CD pipelines and guided junior developers.
- Keeps skills up to date by taking professional development courses and keeping up with new technologies and trends in the industry.
- Delivered both POC (Proof Of Concept) and live projects successfully and on schedule.

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## Publicis Sapient, Bangalore - Junior Associate Technology

MAY 2022 - DECEMBER 2022

- Completed four months of intensive training in Java Full Stack Development. Contributed to a Lloyds Bank project by writing test cases and creating APIs. Worked on improving backend services to enhance project performance.
- Strengthened collaborative efforts among teammates by facilitating open dialogues during group discussions.

## PROJECTS

### Email Classification

Github : <https://github.com/jyotiprakash-m/email-classification> (backend)  
<https://github.com/jyotiprakash-m/ai-monk> (frontend)

This application allows users to login seamlessly through Google or Facebook. Once logged in, users can connect their Gmail accounts to securely fetch and organize their emails. All emails are automatically classified by department—such as HR, Delivery, or Engineering—and enriched with sentiment analysis. Users can then filter emails by department or sentiment for quick navigation.

When selecting an email, the system enables AI-powered reply generation. Leveraging a **LangGraph** agentic solution built on **LangChain** and **LangSmith**, the AI can draft responses by pulling information from stored documents, querying the database directly, or generating a contextually appropriate generic reply. Additionally, users can compose messages through voice input for enhanced convenience.

The application is a full-stack AI solution: the backend is built with **Python** and **FastAPI**, powered by PostgreSQL with PgVector for vector search and document storage, while the frontend is developed with **Next.js** for a smooth, modern user experience.

### RAG Notebook

Github: <https://github.com/jyotiprakash-m/rag-multimodel> (backend)  
<https://github.com/jyotiprakash-m/ai-monk> (frontend)

Developed a knowledge-based storage solution with Google and Facebook authentication that allows users to create and manage collections of notes. Implemented functionality for uploading and **indexing** single or multiple documents (PDF, DOC, CSV, TXT), URLs, and custom text into dedicated databases (**MongoDB** or **Postgres**). Designed a chat interface enabling users to query collections directly with AI assistance, streamlining information retrieval for internal teams such as HR or operations. Built the backend using **Fast API** with an **agentic** graph structure, and the frontend using **Next.js**, ensuring scalable and efficient knowledge management.

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## Document Summariser

Github:

[https://github.com/jyotiprakash-m/genai-study/blob/main/document-summary/graph\\_test1.py](https://github.com/jyotiprakash-m/genai-study/blob/main/document-summary/graph_test1.py)  
(backend)

Built a document summarization application using **LangChain** and Python **FastAPI**, enabling users to upload files in multiple formats (PDF, DOC, TXT). The system processes documents through four stages: loading via LangChain's specialized loaders, chunking the content for scalability, generating summaries for each chunk, and mapping them into a final comprehensive summary. Implemented back-end storage of results and explored different chunking mechanisms in Python to efficiently handle large documents while delivering summaries of customizable length.

## Jharkhand Fisheries - Live Project

Contributed to the development of a live project for the Jharkhand Government's Fishery Department, enabling farmers to apply for various government schemes and access related benefits. Worked extensively on **API integration** in Next.js, implementing key features and building nearly 40% of the overall application, ensuring seamless interaction between the frontend and backend services.

## Jharkhand Seeds - Live Project

Actively worked on the live Jharkhand Seeds project by identifying and resolving production issues, implementing quick fixes to ensure application stability, and improving overall system performance. Here I used **Next.js**

## Document Comparison AI App - POC

Developed a document comparison application that allows users to upload two documents and generate a **detailed difference report**. The system analyzes both versions to identify changes, additions, and deletions, while also providing summarized insights from each document. Implemented features to deliver both **textual summaries** and **graphical visualizations** of the differences, enabling users to easily track modifications and understand the content within PDFs.

## VDR (Virtual Data Room) - POC (Client : State Bank Of India)

Developed a **POC workflow management application for State Bank of India** with role-based access for **Admins** and **Users (bank employees)**. Admins can create roles, define workflows, and configure templates, while users can initiate applications, follow workflows, and perform actions such as approve, reject, forward, return, or upload different document versions at various stages. Implemented features for **document annotations, comments, and detailed activity logs**, ensuring traceability and transparency. Integrated **AI-powered chat** to enable users to query documents and generate context-aware summaries.

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Built with **Node.js** and **Next.js** (frontend), **PostgreSQL** (backend), and **7 microservices**. Containerized the application using **Docker**, integrated **WSO2 API Gateway**, and designed the architecture for scalability and modularity.

### **Tokenized Share Application - POC** (Client: Qatar Financial Centre)

Contributed to the development of a blockchain-based application that enables organizations to tokenize company shares, generate digital certificates, and verify them within a blockchain environment. Integrated smart contracts into the **Next.js** application, implementing key functions such as minting, tokenization, transaction history retrieval, and certificate verification to ensure secure and transparent operations.

### **Stablecoin Management System - POC** (Client: Sony Bank)

Developed a stablecoin management system in **Next.js**, enabling users to log in via **Polygon ID** and create, manage, and transfer stablecoins like USDC within a secure ecosystem. Implemented blockchain APIs to interact with smart contracts and enforced role-based access control with roles such as Minter, Freezer, and Pauser to manage platform actions. Contributed to 40% of the front-end development, leveraging **shadcn UI** components and **Tailwind CSS** to build a responsive and modern user interface.

### **Document Versioning and Component management - POC** (Client : Adani Defiance)

Developed a Proof of Concept (POC) application for Adani Defense Group to manage and analyze hierarchical document structures. The system allows admins to define generic components and subcomponents in a graph-like hierarchy, enabling users to upload documents, manage versions, and perform version comparisons with detailed difference analysis. Implemented functionality to track component entry versions and provide document summaries and comparisons at each node. Built the application using **Next.js** with a **PostgreSQL** and **Nest.js** backend, delivering an interactive, scalable, and user-friendly interface.

## **EDUCATION**

### **C.V Raman Global University, Bhubaneswar - Computer Science and Engineering**

May 2018 - May 2022

8.2 GPA/CGPA

## **CERTIFICATES**

### **Microsoft Certified: Azure AI Engineer Associate**

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