

# SONU KUMAR

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## SUMMARY

Software Engineer with 2+ years of experience building **enterprise-scale applications** and **AI-powered systems** for government PSU clients and business automation. Specialized in **ERP development**, **system integration**, and **RAG-based knowledge platforms** using **Python**, **FastAPI**, **Flask**, and modern **LLM technologies**. Proven expertise in **full-stack development**, **third-party API integration**, and delivering solutions for **4,000+ users** with complex compliance requirements.

## TECHNICAL SKILLS

**Programming Languages:** Python, JavaScript, SQL

**Frameworks & Libraries:** FastAPI, Flask, React.js, LangChain, SQLAlchemy, Frappe Framework, ERPNext

**Databases:** MariaDB, PostgreSQL, Qdrant (Vector DB), Redis

**Backend & APIs:** REST APIs, Microservices, OAuth Authentication, Third-party API Integration

**AI & LLM Tools:** LLM APIs, RAG Systems, OpenCV, Multi-agent Workflows, Semantic Search, Embedding Generation

**Frontend & UI:** React.js, Vite, Shadcn/ui, Tailwind CSS

**Integration & Automation:** WhatsApp Business API, Shopify API, DocuSign API, Zoho Integration, Unicommerce

**Tools & Monitoring:** Git, Apache Superset, Docker, Postman, VS Code, Event-driven Workflows

## EXPERIENCE

### Cyfuture India Pvt Ltd

July 2024 – Present

#### Software Engineer – Applied AI & Backend Systems

Noida, India

- Led development of a **RAG-based enterprise knowledge platform** using **LangChain**, **Qdrant vector database**, and **LLM APIs**, architecting modular **FastAPI microservices** for document processing, embedding generation, and vector indexing with **Apache Superset** monitoring dashboards.
- Architected and deployed enterprise **ERP solutions** serving **4,000+ users** using **Frappe Framework**, **ERPNext**, **Python**, and **JavaScript**, implementing comprehensive **HRMS**, **CRM**, and financial modules for government PSU.
- Built advanced **payroll and financial management systems** with **bulk arrear processing**, **GST compliance reporting**, and **Ind AS 116 compliant** property management, processing **1,000+ employee records** monthly.
- Developed automated **CRM lead capture system** using **OpenCV** for text extraction and **LLM integration** for data structuring, while implementing **multi-agent workflow systems** for enterprise automation and document processing.
- Optimized **SQL queries** and **MariaDB database** performance through indexing strategies and query optimization, improving dashboard response times and system scalability for large-scale enterprise applications.

### Extension Technologies Pvt Ltd

July 2023 – June 2024

#### Software Developer

Delhi, India

- Developed **middleware solution** for **ERPNext** and **Zoho integration**, enabling real-time **CRM/HRMS metadata delivery** to auto-rendered UIs and reducing development effort through automated UI generation.
- Integrated multiple **third-party APIs** including **WhatsApp Business**, **Shopify**, and **Unicommerce** for automated **lead and order synchronization** using **event-driven workflows** and scheduled tasks.
- Built comprehensive **email application** using **React**, **Vite**, and **Shadcn/ui** to resolve Frappe's **IMAP/POP3 integration** limitations, centralizing email communication within ERP system.
- Implemented secure **DocuSign OAuth integration** for internal approval workflows, streamlining document signing processes across organizational teams and improving workflow efficiency.

## PROJECTS

### GenAI Meeting Assistant | *React.js, FastAPI, PostgreSQL, Redis*

Dec 2024 – Jan 2025

- Built **AI-powered meeting platform** with **audio transcription**, **meeting summarization**, and automated task generation using **LLM APIs** for intelligent post-meeting workflows.
- Developed **FastAPI backend** with **JWT authentication**, **SQLAlchemy ORM**, and **PostgreSQL** for scalable user and meeting data management.
- Implemented **asynchronous audio processing** using **Redis** for job queuing and background task processing.
- GitHub:** [meeting-ai-assistant](#)

### Distributed File Upload System | *Python, FastAPI, Docker, MongoDB*

Oct 2024 – Nov 2024

- Designed **microservices architecture** for large file uploads using **FastAPI** and **MongoDB GridFS**, supporting file processing and storage with **REST API** endpoints.
- Implemented **JWT authentication** and **containerized deployment** using **Docker** for scalable file management system.
- GitHub:** [Distributed-Media-Service](#)

## EDUCATION

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**Maharshi Dayanand University**

*Bachelor of Vocation in Software Development — GPA: 8.6/10*

**November 2020 – June 2023**

*Haryana, India*

## ACHIEVEMENTS & CERTIFICATIONS

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- **Enterprise Impact:** Successfully delivered ERP system serving **4,000+ government PSU users**, implementing comprehensive financial and payroll modules with regulatory compliance requirements.
- **Technical Excellence:**
  - **LeetCode** – Solved **340+** problems demonstrating strong Data Structures and Algorithms expertise
  - **GeeksforGeeks** – Active contributor with consistent problem-solving performance
  - **CodeStudio** – **Level 5 Champion**
- **Certifications:**
  - **Generative AI: Evolution of Thoughtful Online Search** (LinkedIn, 2024)
  - **What Is Generative AI?** (LinkedIn, 2024)