

# KAPIL BHANDARI

✉ kapilbhandari.dev@gmail.com 📞 +977-9846014473 [in iam-bkpl](#) [🌐 iam-bkpl](#)

## EXPERIENCE

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### Codavatar Tech Pvt. Ltd.

Feb 2025 - Present

*Associate Backend Developer*

- Developed and launched webhook systems for third-party integration, rate limits, and Casdoor-powered authentication for external-facing APIs
- Designed and published the n8n community node for KrispCall, enabling seamless workflow automation and external system integration
- Improved system performance and concurrency using in-memory caching, pagination, asyncio-based background tasks, and semaphore-controlled execution to prevent race conditions
- Mentored interns on fail-fast development, test case design, and code reviews, improving code quality and delivery velocity
- Monitored production systems using Datadog, investigated incidents, and reviewed pull requests to maintain reliability and engineering standards

### Lishnu Tech

Jun 2024 – Jul 2025

*Software Engineer (part-time)*

- Oversee development and help in architectural decisions
- Guide the team on best practices and scalability strategies
- Provide technical solutions and mentorship to the team

### Pagoda Labs

Jan 2024 - Oct 2024

*Backend Developer*

- Developed database models and REST APIs for multiple projects
- Created detailed data visualization reports to inform decision-making using Polars
- Reduced response time from minutes to seconds
- Tech Stack: Django, DRF, PostgreSQL, MySQL

### SMTM Capital

Nov 2023 - Jan 2024

*Backend Internship*

- Developed scalable backend features using FastAPI, Celery, and SQLAlchemy
- Conducted load testing with Locust and monitoring via Flower

## PROJECTS

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### N8N Community Node – KrispCall

[🌐 n8n.io](#) [🔗](#)

- Built a custom KrispCall node to integrate and communicate with the KrispCall platform
- Features: Contact Sync, SMS/MMS Sync (Actions and Triggers)
- Tech Stack: TypeScript

### Ollama Chat-PDF – Document-Aware Chatbot

- Built a Django REST API that allows users to upload PDFs and chat with the document using LLMs from Ollama
- Processed and chunked documents using LangChain and stored embeddings with ChromaDB and Ollama embedding function
- Implemented re-ranking with CrossEncoder and retrieved responses with context-aware prompts via the llama3.2 model
- Tech Stack: Django REST, LangChain, ChromaDB

### Project Pirus – All-in-One ERP System

- Developed a full-featured ERP system for IT companies with modules for employee management, project tracking, and CRM
- Integrated real-time chat using WebSocket
- Implemented AI-powered billing and automation features using gemini-1.5-flash
- Tech Stack: DRF, WebSocket, Gemini

## EDUCATION

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### Pokhara University, Apex College

Nov 2019 – Aug 2024

*Bachelor's of Computer Information Systems (BCIS)*

Java, DSA, System Design, DBMS