

SITARAM PRAVASH CHANDRA NANDI

Software Engineer

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Hyderabad

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ABOUT ME

Software Engineer with 3 years of experience in Python development, specializing in building scalable applications using Django, FastAPI, and REST APIs. Experienced in backend development, MySQL, and tools like Redis and Celery, with a growing focus on AI and data-driven solutions.

SKILL

- Python
- Django
- Mysql
- Langchain
- Fastapi
- AWS(S3,RDS,IAM,EC2)
- Cronjob
- DRF
- JWT
- GitHub
- Vectordb
- Docker

WORK EXPERIENCE

Utkal Labs – Software Engineer

FEB 2025 –PRESENT

HRMS Product

Built a Project Management module (Django, REST, HTMX) with CRUD, RBAC, and search features, integrated into HRMS.

Responsibilities

- Built a Project Management module (Django, REST, HTMX) with CRUD, RBAC, and search features.
- Deployed and managed staging on Azure VM with configuration, monitoring, and security.
- Tech Stack: Python, Django, PostgreSQL, HTML,CSS,CronJob

SEO Optimization System

Responsibilities

- Developed a Broken Link Detection module using Python and FastAPI
- Detected HTTP errors (404, 500) and replaced invalid URLs dynamically
- Implemented advanced filters (status code, domain, page count) for analysis
- Tech Stack: Python, FastAPI, PostgreSQL, Docker

APRIL 2023 – JAN 2025

Shree Gajanan Enterprises LLP – Software Developer

Agentic RAG

Built an AI-powered RAG system using LangChain, embeddings, and FAISS for semantic search and accurate LLM-based question answering.

Responsibilities

- Built Agentic RAG system (LangChain, FAISS, embeddings, LLMs)
- Implemented hybrid search with semantic + keyword retrieval for contextual Q&A
- Applied query transformation and re-ranking to improve accuracy
- Integrated tools (web search APIs) for real-time data retrieval
- Reduced hallucinations via optimized context grounding

News APP

Led the full-stack development of a dynamic News app using Python Django, REST API, and React Native, delivering a user-friendly news consumption experience.

Responsibilities

- Developed and maintained a news app with Python, REST APIs, and web scraping. Enhanced performance and user experience. Integrated Cron Beat and Celery for task scheduling.

EDUCATION

UTKAL UNIVERSITY

Bachelor of Science in PHYSICS

2019–2022