

KANAK TANWAR

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Experience

Backend Intern | Vetic, Gurgaon, India

April 2025 – Present

- Implemented an automated **clinic day-closing and revenue reconciliation module** that replaced manual workflows, reducing operational turnaround time from **2 hours to 5 minutes** and enabling systematic tracking of revenue leakages.
- Integrated **POS systems and Razorpay payment-link workflows** to improve billing reliability, increasing online payment adherence from **<90% to 99.7%** and reducing mismatched billings by **40%**.
- Developed a **centralized cash management system** to track daily cash inflow and outflow across clinics, improving cash visibility and reducing reconciliation discrepancies.
- Built an **LLM-assisted OCR and information extraction pipeline** for pet vaccination records, automating structured data capture from scanned documents and reducing manual data entry effort by **85%**.
- Improved backend performance by resolving **N+1 query issues** and optimizing SQL execution, cutting API latency by **50%** and reducing database load.

AI Intern | Mentorpal.ai

June 2024 – July 2024

- Developed a Chrome extension recommending personalized LinkedIn messages to prospective leads.
- Built internal resume QA tool using LangChain and LLMs, boosting QA efficiency by **40%**.
- Scraped **10+** websites using Selenium and BeautifulSoup, generating **2000+** verified B2B leads.
- Collaborated with cross-functional teams to ship two MVPs within 6 weeks.

Projects

Git Chat

[GitHub](#)

- Built a RAG-based application that enables conversational Q/A with public GitHub repositories using LLMs.
- Designed and implemented a multi-model backend with FastAPI, integrating MongoDB for metadata storage, Weaviate for semantic search, and LangChain for retrieval-augmented generation.
- Developed a Streamlit-based UI for seamless user interaction, including real-time streaming responses from LLMs.

Social Media API

[GitHub](#)

- Built RESTful API in FastAPI with PostgreSQL, SQLAlchemy, and Alembic for full CRUD support.
- Deployed on DigitalOcean with SSL and domain setup.
- Configured CI/CD pipeline using GitHub Actions, reducing deployment time by **80%**.

Skills

- Languages** - Python, Go
- Backend & Web** - FastAPI, Django, Flask
- Databases & ORM** - PostgreSQL, MySQL, MongoDB, Redis, SQLAlchemy, Beanie
- DevOps & Tools** - Git, Linux, Docker, AWS, Alembic, RabbitMQ
- Misc** - REST APIs, Background Workers, Cron Jobs, Payment Systems

Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Graduation
B.Tech - CSE	Dronacharya College Of Engineering	86%	Ongoing
Senior Secondary	Manav Rachna International School	96.0%	May 2022
Secondary	Manav Rachna International School	97.6%	May 2020

Achievements

- ICPC Asia West Amritapuri 2023 Regionalist**
- LeetCode max rating **1968** (Knight), CodeChef max rating **1684** (3*)
- Global Rank **159** in CodeChef Starters 155
- Qualified GATE 2025 — DA (AIR 702), CS (AIR 3050)
- Winner, AIML Track – HackKRMU 3.0 (Project: WanderAI)
- President, **Deviators Tech Club** — led technical sessions, organized events, and coordinated cross-team initiatives