KANAK TANWAR

🌐 kanaktanwar.tech | ⓞ github.com/kanakOS01
✉ kanaktanwarpro@gmail.com | in linkedin.com/in/kanak-tanwar

Experience

Backend Intern | Vetic, Gurgaon, India — April 2025 – Present

- Enhanced API performance by optimizing SQL queries, adding indexes, and enabling connection pooling, reducing average response time by 90%.
- Designed and deployed OCR pipeline to extract pet vaccination data, automating 1000+ manual entries monthly.
- Refactored legacy code to eliminate N+1 queries, improving query efficiency by 40% and code maintainability.
- Resolved 10+ production bugs and implemented enhancements across FastAPI and Django-based microservices.
- Implemented POS and Razorpay payment link system for automated account closure, improving financial reconciliation accuracy.

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

- 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

- 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%.

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

Skills

- **Programming Languages -** Python, Java, C/C++, JavaScript, R, Bash
- **Web Development -** HTML, CSS, JS, Bootstrap, Flask, FastAPI, Django
- **Data Science and Machine Learning -** NumPy, Pandas, Matplotlib, Scikit Learn, LangChain
- **Database and ORM -** MySQL, MongoDB, PostgreSQL, SQLAlchemy, Beanie
- **Misc -** Git, Linux, AWS, Streamlit, Docker, BeautifulSoup, Selenium, Fabric

Achievements

- Qualified GATE 2024 – DA (AIR 702), CS (AIR 3050)
- ICPC Amritapuri 2023 Regionalist (Top 6%)
- Winner, AIML Track – HackKRMU 3.0 (Project: WanderAI)
- Secured AIR 8 in NCAT 2023 among 10,000+ participants