

KANAK TANWAR

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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

- Developed a RAG-based application enabling Q/A interactions with GitHub repositories.
- Utilized Weaviate vector database and LangChain for efficient data management and processing and built a user-friendly UI on Streamlit to facilitate seamless user interaction.
- Implemented functionality to automatically load new repositories when encountered, ensuring up-to-date data access.

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 – Data Analytics (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