KANAK TANWAR

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Experience

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

- Built an automated clinic day-closing module that eliminated manual reconciliation, reducing end-of-day turnaround time by **100%**, improving appointment tracking accuracy and increasing revenue realization.
- Implemented POS and Razorpay payment link systems to minimize billing discrepancies, reducing mismatched billings by **40%** and improving financial reconciliation accuracy.
- Developed a centralized cash management system to track daily cash inflow/outflow across clinics, reducing cash variance issues.
- Designed and deployed an OCR-based data extraction pipeline for pet vaccination records, reducing manual data entry effort by **85%**.
- Optimized backend performance by eliminating N+1 queries and improving SQL execution, reducing database load and cutting API latency by **50%**.

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%.

Skills

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

Achievements

- LeetCode max rating **1968** (Knight), CodeChef max rating **1684**
- ICPC Amritapuri 2023 Regionalist
- Qualified GATE 2025 – DA (AIR 702), CS (AIR 3050)

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