

DEV JAYSWAL

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Experience

FoodNEST(S)

07/2024 - 03/2025

AI Intern

Lucknow, U.P.

- Engineered and deployed a multilingual, multi-model AI chatbot, automating order processing for over 500+ users (including Riders and Vendors), reducing manual order management by 40%.
- Optimised 10+ LLMs including Meta LLaMA, ChatGPT, and Spicy by domain-specific data for improved accuracy and Persistence behaviour with a diverse nature.
- Integrated image, text, and voice input capabilities for seamless interaction, improving user engagement by 30%.
- Devised a scalable web scraping pipeline, map scraper, and video scraper, enabling data collection from leading e-commerce platforms, contributing to a 20% increase in data processing efficiency.
- Architected and deployed a Progressive Web App using Svelte, ExpressJS, and MongoDB, enabling real-time order tracking and enhancing operational efficiency by 25%.

Kisaanpe.com

02/2024 - 07/2024

Web Developer and Tech Team

Gwalior, M.P.

- Designed and built a robust web interface for user registration and cattle data management, leveraging MongoDB, which reduced data storage errors by 15%.
- Implemented a QR code-based onboarding system, enabling instant registration and data access for over 200 users, enhancing user satisfaction by 18%.
- Configured and optimised servers using Express, Nginx, and DigitalOcean, improving server reliability by 35% and implementing backup protocols for secure data management.

Projects

Schedule AI | Reinforcement Learning, Deep Learning, Pytorch, Research, Proximal policy optimisation

01/2024

- Designed and implemented a custom Gymnasium environment and PPO model to schedule 16 batches across shared faculty, classrooms, and labs, incorporating constraints like course credit, NEC, class type, and reserved slots
- Training a stable baseline PPO Neural network of 64 * 64 with ReLu, with continuous training while inference, utilising gymnasium, seeding, self-learning model.
- Assembled frontend architecture using React.js and Next.js for seamless development, uses FASTAPI as Python backend and Pydantic for data validation

SocialEnv | Vue.js, Vite.js, JavaScript, AppWrite, Shadcn UI

10/2023

- Crafted a modern user interface with login and sign-up functionality using Shadcn UI, JWT, enhancing user interaction by 20%.
- built scalable backend using AppWrite Cloud for handling user-generated content and media, improving database efficiency by 25%.
- Integrated infinite scrolling, responsive homepage, and drag-and-drop features to post creation, increasing user engagement by 15%.

Concierge ChatBot | OpenAI, ChatGPT 4.0, Meta API, Python, Gemini

03/2024

- Created a Concierge ChatBot utilising Gemini 1.5 Flash for advanced function-calling, achieving a 25% reduction in response times compared to legacy models.
- Engineered both frontend and backend architecture using vanilla JavaScript and Express

Education

Madhav Institute of Technology and Science, Gwalior

10/2022 - 07/2026

Bachelor of Technology in Artificial Intelligence and Machine Learning, — Avg. GPA 8.1

Gwalior, M.P.

Govt. Higher Secondary School Semariya, sidhi

07/2017 - 05/2021

Physics, chemistry, math, Biology(ads.) — 10th 92% , 12th 94%

sidhi, M.P.

Skills and Achievements

Languages: C++, Python, JavaScript, SQL

Frameworks & Libraries: React.js, Next.js, Node.js, LangChain, PyTorch, Express.js, Tailwind CSS

Tools & Platforms: Git & GitHub, Git Bash, Docker, Kubernetes, AWS, GCP, Linux, Nginx

Databases: MongoDB, PostgreSQL, MySQL, Information retrieval

Dev Practices: CI/CD, REST APIs, Agile, Version Control, Testing

AI & ML: Natural Language Processing, Fine-tuning, HuggingFace, Computer Vision

Competitive Programming: 200+ LeetCode Qns. — Contest Rating: 1547

Achievements: PPO 6 LPA INR — 6-month onsite internship completed

Soft Skills: Troubleshooting and Optimisation, Teamwork, Communication, Patience, Leadership