Nirajan Dhakal

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I am a software engineer with a strong interest in technology and building useful applications. I work mainly with Python, Django, FastAPI, and JavaScript frameworks like Next.js and Nest.js. I also have knowledge of AI technologies such as LLMs, RAG, and MCP, and I enjoy exploring new AI tools and technologies. I like learning new things and improving my skills by working on real projects.

WORK EXPERIENCE

Freelance Web Developer **February 2026 - Present**
Self employed.

- Developed a business website and CRM system for Himalchuli Bar & Grill, supporting customer and business management workflows.
- Designed and developed a business website and internal AI agent for KiranaPasal.shop, using n8n to automate internal business workflows and AI-assisted operations.

Software Developer (Remote) **February 2025 - February 2026**
3P Trades LLC.

- Contributed to the development of Materiel Insights, a specialized platform for managing Bills of Materials (BOMs) and Aircraft lifecycle management.
- Developed and optimized full-stack applications using Next.js, TypeScript, Node.js, ZenStack, and Vercel AI SDK.
- Built RAG system for semantic search & chat
- Implemented NL-to-DB AI querying engine
- Worked on AWS infrastructure (EC2, RDS, DynamoDB) in a serverless architecture

Full Stack Web Developer **June 2024 - February 2025**
Aarambha IT Research Center Pvt. Ltd.

- Contributed to backend development of *TishyandCo* e-commerce platform using Django and DRF, building RESTful APIs and integrating Stripe payment system with asynchronous task processing using Redis and Celery.
- Optimized and maintained backend infrastructure for *PolarTreks*, having improved system performance and API response times.
- Developed *SahariSwasthya* lab report generation and store system using Django and PostgreSQL, having implemented features for lab report generation and administrative analytics.
- Built and deployed *PokharaDarpan* news platform using Django and Bootstrap, having created a responsive content management system for news articles.

Web Developer Intern **April 2023 - August 2023**
Pine Softwares Pvt. Ltd.

- Developed full-stack web applications using Laravel and MySQL for multiple clients
- Implemented responsive UI designs using Bootstrap

TECHNICAL SKILLS

Languages: C, Python, JavaScript, TypeScript
Framework/Libraries: Django, DRF, NestJs, FastAPI, LangChain Ecosystem, React js, Next js, Tailwind CSS
Tools: Git, Docker, Github Actions
Databases: PostgreSQL, MySQL, MongoDB, Redis
Cloud: AWS, GCP

PROJECTS

AI Email Assistant (Frontend - API - Live Demo)

- Developed a Next.js and FastAPI app that lets users manage Gmail inboxes through an AI chatbot.
- Used LangGraph to build agentic logic for email summarization, searching, and automated drafting.
- Implemented secure Google Authentication and persistent user state using Supabase
- Optimized user experience with real-time streaming responses and a responsive Tailwind CSS interface.

Auction/Bidding Web Application (Project Link)

- Developed an auction platform using Django REST Framework and secure JWT authentication.
- Integrated Celery and Redis for handling time-sensitive tasks like auction completion and notifications.
- Created a comprehensive product and transaction management system (including customer profiles, reviews, and automated bidding).
- Designed a secure transaction system with customer balance management to ensure smooth auction operations.

E-Commerce API (Project Link)

- Built a Simple E-commerce REST API using Django and PostgreSQL, implementing secure authentication and order processing systems
- Developed a robust product management system with integrated shopping cart functionality, allowing real-time inventory tracking and automated order fulfillment
- Implemented comprehensive testing and monitoring using pytest and Locust, ensuring reliable performance and high code quality

EDUCATION

Bachelor of Science in Information Technology **Completion Date: September 2024**
Infomax College of IT & Management

- **Relevant Coursework:** Operating Systems & Computer Architecture, Introduction to Databases, Web Application, Mobile & Web Multimedia