

GIRISH RAJ THAPA

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CAREER OBJECTIVE

Full Stack Developer with hands-on experience building and maintaining web applications using FastAPI, Django, and React. Skilled in debugging systems, resolving real-world technical issues, and supporting users in live environments. Passionate about improving system reliability and delivering seamless user experiences.

EXPERIENCE

Full Stack Developer Intern

September – December 2025

Kodiary Technologies Pvt. Ltd., Jawalakhel, Lalitpur

- Contributed to the EkEkPaila Hospital Management System across backend (FastAPI) and frontend (React.js).
- Worked on patient records, diagnosis & prescription flows, medicine dispensing, and lab management modules.
- Assisted in designing database models, implementing role-based access, and building reusable UI components.
- Developed file-handling features for patient photos, prescriptions, and lab reports.
- Diagnosed and resolved bugs across frontend and backend, improving system reliability and user workflows.
- Acted as a bridge between technical implementation and user needs by addressing real-world system issues.

EDUCATION

BSc (Hons) Computing

2023 – Present

Islington College,
London Metropolitan University
Kamalpokhari, Kathmandu

SLC

2019 - 2021

St. Xaviers' College
National Examination Board (NEB)
Maitighar, Kathmandu

SEE

2019

GEMS School,
National Examination Board (NEB)
Dhapakhel, Lalitpur

SKILLS

Technical Skills

- **Programming Languages:** Python, Java, JavaScript, C#
- **Backend:** FastAPI, Django, Django Rest Framework, Dotnet, Streamlit
- **Frontend:** React.js, HTML, CSS, Tailwind
- **Database:** PostgreSQL, MySQL, Oracle SQL

- **AI/ ML Tools:** scikit-learn, pandas, NumPy, matplotlib, seaborn, SciPy, NLP, Sentiment Analysis, LangChain
- **Developer Tools:** Docker, Jupyter Notebook, Git & GitHub, VS Code, Postman

Soft Skills

- Analytical Thinking
- Clear Communication
- Time Management
- Team Leadership
- Adaptability
- Growth Mindset

PROJECTS

Hospital Camp Management System

FastAPI | React | PostgreSQL, nginx

- Developed and maintained a full-stack system handling real user workflows.
- Implemented API endpoints, role-based access, and data management modules including debugging live system issues and improving overall system stability.

House Price Prediction – Nepal

scikit-learn | pandas | NumPy | Streamlit | Docker

- Built an end-to-end system with UI for predictions and batch processing.
- Deployed using Docker with clean preprocessing and model pipeline.

Movie Sentiment Analysis

NLP | scikit-learn | pandas | joblib

- Built a high-accuracy ML model (94%+) using TF-IDF and ensemble methods.
- Processed 500K+ Amazon reviews performed dataset balancing, and generated evaluation graphs.

E-Commerce System

Django | PostgreSQL

- Developed a full-featured e-commerce platform using Django (MVT), implementing product listings, categories, search, filtering, and image uploads.
- Managed database integration, version control with GitHub, and deployment while iteratively improving features and debugging issues.

TRAINING AND CERTIFICATIONS

Programming in Python — Meta (Coursera), **July 2024**

Django Web Framework — Meta (Coursera) **July 2024**

APIs — Meta (Coursera) **August 2024**