

Nisha kiran gnawaly

ML Engineer | Backend Developer | QA

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 @ <https://github.com/itsmenisha>

Focused on leveraging my skills in real-world projects to drive automation, reduce manual work, and embrace challenges for continuous growth.

EXPERIENCE

Backend Developer

IT Expert Nepal P. Ltd.

Apr, 2025 - Sep, 2025

- Built and maintained backend services using Python and Django, designing scalable database structures and secure, efficient APIs.
 - Integrated AI/ML models into backend systems to enable intelligent features, improving platform functionality and user experience. Optimized database queries and system performance, ensuring reliable and responsive applications.
 - Collaborated with frontend developers, QA, and product teams to deliver high-quality, production-ready applications.
- [link](#)

DevOps Intern

Nest Nepal

Mar, 2024 - May, 2024

- Managed servers, cloud infrastructure, domains, and web hosting while performing website migrations, email/server troubleshooting, and optimized system uptime.
 - Collaborated on monitoring, automation, and performance optimization, strengthening cloud and operational expertise.
- [link](#)

Data Science Intern

Codesoft

India
May, 2024 - Jun, 2024

Completed a virtual Data Science internship at CodeSoft, completing 3 projects:

- Titanic Survival Prediction, Movie Rating Prediction, Iris Flower Classification

[link](#)

Yantra Buisness Cup Expo Volunteer

Robotics Association Nepal

- Decision-maker for an Expo covering hardware, software, and a bootcamp, overseeing key operations and planning.
 - Developed problem-solving, efficiency, and task management skills by handling complex challenges. Gained practical insights that continue to guide personal and professional decision-making.
- [link](#)

EDUCATION

Bachelor in Information and Technology

Patan multiple campus

kathmandu
Jun, 2021 - Jul, 2025

PROJECTS

Cine Marga

- Contributed across QA, content writing, front-end development, DevOps, and partial backend tasks, ensuring a high-quality, functional platform. Implemented features like movie rating, search, filtering, and custom favorite lists.
- Developed responsive, user-friendly interfaces using Bootstrap, Git, and MySQL. Applied UI/UX design principles with Figma to enhance user experience.

<https://cinemarga.com>

Mental Health Assessment Web App

- Developed a **bilingual web application** for mental health assessment using **Flask (backend), Bootstrap, HTML, and JavaScript (frontend)**.
- Integrated standardized tools **WHO-5, PHQ-9, and GAD-7** for evaluating well-being, depression, and anxiety.
- Enabled **instant results and downloadable PDF reports** for users. Focused on **digital accessibility and mental health awareness**, especially for **Nepali-speaking users**.

<https://itsmenisha.github.io/templates/services.html>

Quantum Engineering Solution

- Developed a static, responsive website using **HTML, CSS, JavaScript, and Bootstrap**.
- Focused on user-friendly layout and visual design to represent the company online.

<https://quantuminfrasolution.com>

TRAINING/CERTIFICATIONS

Python Programming

2025

GeeksforGeeks

- Core concepts & Libraries/modules : control flow, functions, recursion, OOP, file handling, exceptions, comprehensions, NumPy, Pandas, math, datetime, os, functools
- Data handling & GUI: JSON, CSV, Excel, MySQL, MongoDB, API, Tkinter desktop applications, hands-on coding challenges.
[link](#)

Supervised Machine Learning: Regression and Classification

Stanford University (Coursera, Dr. Andrew Ng)

- Gained hands-on experience building and training machine learning models using Python, NumPy, and scikit-learn.
- Learned key supervised learning algorithms (linear regression, logistic regression) and applied them to real-world datasets.
[link](#)

Data Science Bootcamp

2025

GeeksforGeeks

- Learned data analysis, statistics, probability, and applied Python libraries (NumPy, Pandas, Matplotlib) for data manipulation and visualization.
- Built predictive models using machine learning algorithms (linear regression, decision trees, clustering) and worked on real-world datasets with preprocessing, EDA, and model evaluation. [link](#)

Integrating Geospatial Technologies in Climate-Smart Agriculture Planning and management in south Asia

- Applied GIS, GPS, and remote sensing for crop monitoring and resource optimization.
- Created maps and spatial analyses to enhance agricultural decision-making. Worked with diverse datasets to track crop health and environmental factors. [link](#)

Introduction to SQL - Simplilearn

2025

- Learned SQL fundamentals: querying, filtering, joins, and basic database operations. Applied SQL skills in Jupyter Notebook for data analysis and practice exercises.
Certificate->[link](#)

SKILLS

Leadership, Programming & Backend: Python, Django, Flask, MySQL, OOP, JavaScript, HTML5, CSS3, Bootstrap, Documentation: Excel, Docs, Word, Powerpoint, Version Control: Git, GitHub, AI/ML & Data Science: OpenCV, Pandas, PyTorch, TensorFlow, scikit-learn, Seaborn, YOLO

LANGUAGE

Nepali/English/Hindi