



SHIVAM KUMAR GUPTA

AI STUDENT

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PERSONAL

Shivam Kumar Gupta
Nationality : Nepalese
DOB : 2001-09-18
Age: 23

SOFT SKILLS

- Teamwork
- Time Management
- Leadership
- Technical Communication
- Critical Thinking
- Problem Solving

LANGUAGES

- English (Fluent)
- Nepali (Native)
- Hindi (Conversational)



PROFILE

Motivated and detail-oriented B.Tech Artificial Intelligence student from Kathmandu University with strong knowledge in machine learning, deep learning, data analytics, and core AI concepts. Passionate about building intelligent systems and solving real-world problems through data-driven approaches. Quick learner with excellent communication and teamwork skills.



EDUCATION

Btech in Artificial Intelligence	2021-2025
School of Engineering Kathmandu University	
SLC	2017-2020
Gorkha Model Secondary School,Dang	
SEE	2017
Rosy Buds Bal Batika Higher Secondary School.	



PROJECTS

Tomato Leaf Disease Classification

Developed a deep learning model using ResNet architecture to classify tomato leaf diseases with 99% accuracy. The system effectively detects and distinguishes between multiple disease types from leaf images, aiding in early diagnosis and precision agriculture.

Speech-to-Text and Text-to-Speech Application

Designed and developed an Android application enabling real-time speech-to-text conversion and text-to-speech synthesis. Focused on intuitive user interface and seamless user interaction to enhance accessibility and user experience.

Image to Audio Generation

Implemented a Pix2Pix GAN to translate images into audio representations, exploring cross-modal generation between visual and auditory data. Enabled novel interaction between image features and synthesized sound output.

Stock Market Prediction

Built a machine learning model to forecast stock prices using historical data. Applied time series analysis and regression techniques to predict future trends with improved accuracy.

TECH SKILLS

- Machine Learning
- Deep learning
- Data Science
- Artificial Intelligence
- LLM
- Research methodologies
- Programming languages
- Data cleaning
- Cyber Security
- Software Engineering

HOBBIES

- GYM
- Cooking
- Traveling
- Cricket
- Swimming
- Riding

REFERENCES

- Dr. Yagya Raj Pandeya,
Kathmandu University,
yagya.pandeya@ku.edu.np,
9848542617
- Dr. Manoj Shakya,
Kathmandu University,
manoj@ku.edu.np,
9841222837

Wildlife Detection Using Edge AI, LoRa, and IoT

Developed a real-time wildlife detection system combining Edge AI with IoT devices using LoRa communication. Integrated audio and image sensors for accurate monitoring, enabling low-power, long-range data transmission to support conservation efforts.

Vastu-Compliant AI Floor Plan Generator

Built a deep learning pipeline combining a custom Retrieval-Augmented Generation (RAG) system with a Large Language Model (LLM) and Diffusion Model to generate Vastu Shastra-compliant floor plans from natural language prompts.

ACHIEVEMENTS & LEADERSHIPS

- Python BootCamp Coordinator KUAIC,2022
- Best Photographer/Videographer IT Meet ,2022
- Sponsor Lead AI Meet ,2024
- Former Executive Of KUAIC

EXPERIENCE

- Machine learning Intern
Prodigy Infotech 2024,India

CERTIFICATION

- Cybersecurity and Ethical Hacking, Coursera.