




Aagaman Bhattarai

AI/ML

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I'm a passionate enthusiast for AI and machine learning with a solid background in AI and a track record of using technology creative to address real-world problems. Specializing in data analytics, NLP, predictive modeling and project management, I'm dedicated to using AI to make a significant difference. I'm currently enrolled in a B.Tech in AI degree at Kathmandu University. My unique projects and internships demonstrate my technical proficiency and commitment to lifelong learning.

EXPERIENCE

Data Science Intern	Milpitas, California (Remote)
<i>StretchYo</i>	Jan, 2025 - Present
Jr Machine Learning Engineer	Remote
<i>Omdena</i>	Oct, 2023 - Feb, 2024

EDUCATION

Bachelor of Technology in Artificial Intelligence	Dhulikhel, Nepal
<i>Kathmandu University</i>	Feb, 2022 - Present

PROJECTS

EduCat (An AI powered Study Companion Flutter App)

Developed a Flutter-based mobile app that processes PDFs, videos, and articles to generate summaries, quizzes, and flashcards, supporting both online and offline learning. The app is designed to enhance productivity and make studying more efficient for students.

<https://www.youtube.com/shorts/JYITe2uvUnw>

Cultural Video Captioning for Nepali Content (August 2024)

Designed a system to generate captions for Nepali cultural dance videos using deep learning models, making regional content more accessible and engaging. The project aims to preserve and promote Nepali cultural heritage through technology.

AI-Powered Resume Parser and Job Matcher (May 2024)

Built a tool to parse resumes, extract key details, and match candidates with job descriptions by analyzing skills, experience, and job requirements. This system helps recruiters save time and improve hiring accuracy.

Nepali Document Summarization Tool (Jan 2024)

Developed an application to summarize lengthy Nepali documents using advanced language models, streamlining information extraction for users. This solution is particularly useful for students and professionals dealing with large volumes of text.

<https://github.com/aagaman09/Nepali-Document-Summarizer-App>

Automated Video Subtitle Generation (Jan 2023)

Leveraged OpenAI's Whisper model to create a system that automatically generates accurate subtitles for videos, enhancing accessibility and user experience. This tool supports multiple languages and reduces manual effort in video post-production.

<https://github.com/aagaman09/Automated-Video-Subtitle-Captioning>

TRAINING/CERTIFICATIONS

Neural Networks and Deep Learning	2023
<i>DeepLearning.AI</i>	
Linear Algebra for Machine Learning and Data Science	2024

AWARDS

Winner of AI/ML Track

Deerhack23, DeerWalk Institute of Technology 2023

Created ShieldTalk, a tool to detect toxic content in text. Leveraged advanced AI models to improve accuracy and deployed it as an easy-to-use application, helping users identify and filter harmful language effectively.

National Winner of Codefest 2024

Code For Change 2024

Played a key role in developing EduCat, an AI-powered study app, as part of a team. After winning the Ideathon among 36 teams, I helped take the project to the national finale, where it was selected as the winner among 17 teams. EduCat simplifies learning by generating summaries, quizzes, and flashcards from various study materials, making it a valuable tool for students.

SKILLS

Predictive Modelling, Large language Models, Data Analytics, Information Retrieval, Simulation & Modeling, Pytorch , TensorFlow

LANGUAGE

English, Nepali, Hindi