Ayush Sharma Kaundinya

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ABOUT ME

Passionate Computer Science major with interests in AI, Computer Vision, and NLP. Focused on deep learning, building models for image and language understanding, and looking to apply these skills towards innovative research work.

WORK EXPERIENCE

FREELANCE DEVELOPER – 2024 – Current – NEPAL

- Develop and maintain web applications, backend systems, and AI solutions.
- Connect APIs, databases, and third-party services to create complete client applications.
- Apply machine learning frameworks to add intelligent features to web applications.

FULL STACK DEVELOPER – GIGA INFOSOFT – 09/2025 – 12/2025 – NEPAL

- Responsible for the complete development and maintenance of the company's web applications, including both frontend and backend systems.
- Engage with clients to gather requirements and provide customized, effective software solutions.

CO-FOUNDER AND FULL STACK DEVELOPER – FLINTIT (STARTUP) – 2024 – 2025 – NEPAL

- Founded and managed all aspects of the company, from client engagement to system design and deployment.
- Developed AI-driven web applications with intelligent features for text analysis, image recognition, and automated processes.

EDUCATION AND TRAINING

01/07/2021 – 31/08/2025 Pokhara, Nepal
BACHELOR OF COMPUTER ENGINEERING Gandaki College of Engineering and Science, Pokhara University

SKILLS

Machine Learning and AI

Natural Language Processing | Computer Vision | Deep Learning (Pytorch) | RAG-based Information Retrieval | Scikit-Learn

Programming Languages

Python | Javascript | SQL | C++

Backend Development

django | FastAPI | Redis | PostgreSQL

Frontend Development

ReactJs | Redux | Tailwind CSS | Bootstrap

Tools & DevOps

Git | Docker | Linux | CI/CD Pipelines | Bash

PROJECTS

Fine-Tuning BART for News Summarization

BART model fine-tuned on XSum and CNN/DailyMail datasets for abstractive summarization

Link https://github.com/icarus-20s/news-summarization-using-bart.git

InBrowser Proctoring AI

AI-powered exam monitoring system with facial recognition, gaze tracking, and object detection using DeepFace and YOLOv8

Link https://github.com/icarus-20s/eproctor.git

Facial Emotion Detection

Real-time emotion recognition system detecting and classifying human emotions using DeepFace library

Link https://github.com/icarus-20s/emotion_app.git

Price Prediction

Machine learning-based predictive analytics using multiple regression models for accurate price forecasting

Educational Institution Web Portal

Developed a web application to provide public access to notices, events, and club information, enhancing communication and accessibility

E-Commerce Platform

Complete buy-and-sell application with product listings, shopping cart, and order management using JavaScript

Link https://github.com/icarus-20s/buy-sell.git

College Management System

Comprehensive academic management platform using Django for student enrollment, attendance, and grade administration

Link https://github.com/icarus-20s/College_Management.git

PUBLICATIONS

14/11/2025 – 15/11/2025
Abstractive Summarization of News Articles Using BART

KC,M.B.,**Kaundinya, A. S.**, Adhikari, P., & Adhikari, S. (2025). Abstractive Summarization of News Articles Using BART. Paper presented at The 1st International Conference on Emerging Trends in Engineering and Technology (ICET-2025).

Link https://doi.org/10.13140/RG.2.2.17314.49601

12/2025
An In-Browser Proctoring System Using YOLO-Based Object Detection and Gaze Analysis

A. S. Kaundinya, P. Adhikari, M. B. KC, and P. Shrestha, "An In-Browser Proctoring System Using YOLO-Based Object Detection and Gaze Analysis," *Journal of Artificial Intelligence and Capsule Networks*, vol. 7, no. 4, pp. 388-412, Dec. 2025, doi: 10.36548/jaicn.2025.4.005.

Link https://doi.org/10.36548/jaicn.2025.4.005

AWARDS AND ACHIEVEMENTS

2024
Coding Competition – GCES IT Expo 2024

Secured first place in coding competition, demonstrating advanced problem-solving and programming skills.

2023
Project Showcase – GCES IT Expo 2023

Presented an AI-based Emotion Detection System, demonstrating real-time facial emotion recognition to a broad audience.

EXTRACURRICULAR AND LEADERSHIP ACTIVITIES

2022 – 2024
Member, GCES IT Club

Actively participated in club activities and events, contributing to collaborative projects and enhancing technical skills.

2022 – 2024
Captain, GCES Basketball Team