

Arpan Paudel

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Profile

I am a highly motivated and enthusiastic Computer Engineering Students with experience in front-end development, with experience of building AI-driven tools and scalable application, along with active involvement in team collaboration and problem solving.

Education

Advanced College of Engineering and Management, Kathmandu, Nepal 2022–Present
B.E. in Computer Engineering

Kathmandu Model Secondary School, Kathmandu Nepal 2022–2021
Science (Mathematics Major)

Technical Skills

ML/NLP: Python, PyTorch, Hugging Face, BERT, Prompt Engineering

Web Development: Next.js, React, Astro, Chrome extensions, Cloudflare

Tools: Git, Github, Arduino IDE, Google Colab, Google App Script

Projects

- **Automated Essay Scoring System:** As a part of our undergraduate minor project, our team developed an AI-powered with advanced NLP models using BERT, DeBERTa and Mamba with domain-adversarial techniques along with prompt engineering for effective feedback generation.
- **EasyMeasure:** As an active team member, I contributed to developing a web-based body measurement tool to calculate body dimensions using an algorithmic approach. Designed and implemented interactive user interface with seamless input and visualization of body measurements.

Experience

Process Feedback, USA 2023–Present
Software Developer

As software developer I was involved in developing react application for user friendly web interfaces for writing/coding process insights, along with developing extension for Google Docs, Google Colab and LMS platform by reverse engineering their revision mechanism. I was involved in optimizing data extraction, enhancing processing pipelines and data visualization using various charts.

Advanced Robotics Club, ACEM 2022–2024
Hardware Lead

As an active member and hardware lead I led various robotics initiatives, workshops and organized national competitions, including zonal selection for Techfest IIT Bombay 2022 and 2023.

Mailshippers Inc, USA 2020–2021
Email Marketing Coordinator

As part of Mailshippers I handled public relations, focusing on client engagement and copywriting for email marketing campaigns. I collaborated with team to develop effective outreach strategies and enhance brand communication with active user engagement.

Achievements

- Delivered a presentation on "Process Feedback" at Nepal English Language Teachers' Association (NELTA) 2026.
- Officially acknowledged at SIGCSE TS 2025 by Dr. Badri Adhikari and Dr. Jie Hou helping them for the tutorial "Teaching Coding in the Age of AI: A Hands-on Tutorial on Process Feedback"
- Delivered a workshop on "Teaching Computer Programming with a Focus on the Coding Process" at Star Global Conference 2024
- Finalist in BackDrop Build V4 for project "EasyMeasure".

- Finalist in Techfest IIT Bombay 2022 for the Cozmo Clench competition.