

# Arpan Paudel

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## Profile

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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

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**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

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**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

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- **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

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**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

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- 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.