

Swikar Paudel

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Hetauda, Makawanpur, Nepal
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EDUCATION

- **Advanced College of Engineering and Management** Tribhuvan University
Bachelor of Computer Engineering April 2022 – Present
- **Kathmandu Model Secondary School** High School
Major: Physical Science July 2019 – July 2021

SKILLS SUMMARY

- **Languages:** C, C++, Python and, MATLAB
- **Proficiencies:** Computer Vision, Medical Imaging, Deep Learning, and Machine Learning
- **Frameworks:** Pytorch, OpenCV, Keras, Numpy, and Tensorflow
- **Database:** SQLServer and Oracle

PROJECTS

- **Enhancing Ophthalmic Diagnostics using Unet for cataract detection** 2025
Medical Imaging
 - In this project work, the main theme for this experiment is to detect cataract from the mask segmentation of cataract labeled using Cvat
- **Interactive Financial Dashboard** 2025
Live Demo: [Live Dashboard Demo](#)
 - This project showcases data engineering, API integration, and front-end development skills.

EXPERIENCE

- **Project Association for Computer and Electronics Engineering(PACE) Club** 2023-2025
Member 2023 - 2025
- **Aarambha Technical Exhibition** 2024
Protobyte Hackathon
 - Event Coordinator of the Protobyte Hackathon event in Aarambha Technical Exhibition
- **Workshop** May 23, 2024 - June 2, 2024
LaTeX Workshop
 - Participant on Eight days “Workshop on LaTeX” organized by the AI Research Center, Advanced College of Engineering and Management
- **IIT Techfest Zonal Selection** Kathmandu, Nepal
Meshmerize 2023
 - First runner up in Meshmerize: A maze solving Robot event
- **Science, Engineering and Technology(SET)** 2024
SET Conference December 27, 2024
 - Contribution on 5th National Conference as Volunteer organized by Advanced College of Engineering and Management