

Anju Chhetri

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EDUCATION

- **Pulchowk Campus - Institute of Engineering, Tribhuvan University** *2019-2023*
B.E in Electronics, Communication and Information

WORK EXPERIENCE AND RESEARCH

- **Nepal Applied Mathematics and Informatics Institute for Research (NAAMII)** *August 2023 - Present*
Research Intern, Advised by Dr. Binod Bhattarai *Lalitpur, Nepal*
 - Contribute to projects in the domain of active learning, with a particular emphasis on implementing and analyzing results for various sampling techniques for multi-class object detection tasks.

PROJECTS

- **Real-Time Visual Element Generation Using GANs** *December 2022 – April 2023*
Academic Project
 - Tools & technologies used: Python, PyTorch, Unity, Barracuda
 - Development of a research and playground environment for real-time grass generation using neural rendering.
- **Depth Estimation Using Stereo Vision** *April 2022 – June 2022*
Personal Project
 - Tools & technologies used: OpenCV, PyTorch, MATLAB
 - Worked on multi-view geometry problem and object localization using stereo vision for ABU Robocon 2022.
 - Created a custom dataset of 3000 images for ball localisation

TECHNICAL SKILLS AND INTERESTS

Language: python, C/C++, MATLAB, LaTeX
System: Linux, Windows
Software: Arduino IDE, Visual Studio, Git
Machine Learning Framework: PyTorch
Computer Vision: OpenCV, Stereo Geometry, Object Localisation

AWARDS

- Winner in **Gritfeat AI hackathon** *February 2023*
- 2nd Runner up in **Hacking for Humanity 2023**, Nepal's largest all female hackathon *February 2023*
- Winner in **Ace Ignite 2022** *November 2022*
- Represented Nepal in **ABU-Robocon 2022** and secured 3rd position *August 2022*
- Receiptent of **Mahatma Gandhi Scholarship** *2017-2018*

COMMUNITY

- Event Manager,
IT Club, Puchowk Campus *December 2021 - February 2023*
- Student Member,
Robotics Club - Pulchowk Campus *December 2019 - August 2022*