ANJU CHHETRI

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github.com/anju-chhetri

PROFILE

I am a focused and goal-oriented undergraduate who is passionate about technology. Throughout my academic years, I have developed strong analytical and interpersonal skills. I am very much keen to learn about anything that interests me. I am particularly interested in computer vision and private AI.

EXPERIENCE

Research Intern
Nepal Applied Mathematics and Informatics Institute for Research (NAAMII)

📅 August 2023 – October 2023   📍 Lalitpur, Nepal

- Develop an active learning pipeline for implementing different algorithms
- Analyze experimental results to identify trends, insights, and areas for optimization in active learning strategies.

EDUCATION

Electronics, Communication and Information Engineering
Pulchowk Campus - IOE

📅 November 2019 – Present

Relevant coursework:
Artificial Intelligence, Probability & Statistics, Data Structure & Algorithm, Discrete Structure, Numerical Methods, Applied Math

PROJECTS

Real-Time Visual Element Generation Using GANs
Academic Project

📅 December 2022 – April 2023

Technologies Used: Python, PyTorch, Unity, Barracuda
Description:
- Development of a research and playground environment for real-time grass generation using neural rendering.
- Experimented with some of the state-of-the-art architectures and performed inference based on the observed data.

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Depth Estimation Using Stereo Vision

📅 April 2022 – June 2022

Technologies Used: OpenCV, PyTorch, MATLAB
Description:
- Worked on multi-view geometry problem and object localization using stereo vision for ABU Robocon 2022.
- Created a custom dataset of 3000 images.

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INTERESTS

Photography   Travelling   Gardening

AWARDS AND ACHIEVEMENT

- Secured winning position at Gritfeat AI hackathon (February 2023)
- 2nd Runner up at Hacking for Humanity 2023, Nepal's largest all female hackathon (Februrary 2023)
- Secured winning position at Ace Ignite 2022 (November 2022)
- Represented Nepal in ABU-Robocon 2022 and secured 3rd position (August 2022)

SKILLS

Technical Skill

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

General Skill

Teamwork   Problem-Solving
Decision Making   Leadership

CERTIFICATES

- AWS Academy Cloud Architecting (August 2023)
  Amazon Web Services Training and Certification
- 4th Annual Nepal AI School (June 2023)
  Nepal Applied Mathematics and Informatics Institute for Research
- Mentor at RoboCamp 2023 (July 2023)
  Robotics Club, Pulchowk Campus
- Instructor at Advance C workshop (December 2022)
  IT-Club, Pulchowk Campus 2022

ADDITIONAL ACTIVITIES

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