

Bibek KC

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<https://bibekyess.github.io/CV/>

Summary

I am passionate about learning new things. I am interested in technology-oriented activities that ease the lifestyle of common people or solve any existing problem using new tools like AI. I am a 4th Year Undergraduate student at KAIST, South Korea and Double Majoring in Electrical Engineering and Computer Science.

Experience



Research Intern

Robust Intelligence & Robotics Lab, KAIST

Jul 2022 - Present (6 months)

Developed realtime multi-view 6D Pose Estimation and Scene Graph Generation for Robotic Manipulation; specifically proposed a novel probabilistic multiview object-pose estimation framework on top of Cosypose and Neural-Motif backbones that 1) associates multiple estimation results with scene graphs, 2) combines pose distributions from single-view based estimators, and 3) construct a unified scene graph by predicting a unified pose distribution per object.



Backend Developer Intern

Bisonai

Jan 2022 - Feb 2022 (2 months)

- Built data pipelines (DAGs) in Airflow to collect DeFi data from various sources like Uniswap, Coingecko and stored them in MongoDB Atlas.
- Implemented backend API server using FastAPI and Strawberry (Python GraphQL Library) to provide DeFi data from MongoDB for users interested in knowing DeFi data from multiple Decentralized Exchanges



Data Viz Project Intern

Interactive Computing Lab, KAIST

Jul 2021 - Aug 2021 (2 months)

- Made a course material for Data Visualization class i.e. a simple tutorial for visualizing plots with Vega-lite and D3.js in Observable notebook for beginners to learn Data Viz techniques using Javascript track.



Coordinator and Tutor

A Levels Ex-students Tutoring Center (ETC)

Jul 2018 - Jun 2019 (1 year)

- Taught home-tuitions on hourly basis for A-Level students on Chemistry, Physics, Mathematics and Biology. I connected to students by publishing advertisements on hamrobazaar.com and asking for referrals of my teachers.



Teacher Assistant

The British College, Kathmandu

Jul 2017 - May 2018 (11 months)

Conduct tutorial lectures and helping sessions- help/guide students if they have problem understanding any topics of the course (Chemistry, Physics, Mathematics and Biology)

Education



Korea Advanced Institute of Science and Technology

Bachelors, Electrical Engineering and Computer Science

Aug 2019 - Aug 2023



Tsinghua University

Global Summer School 2021, AI and Sustainable Development Goals

Jun 2021 - Jul 2021



British Model College

High School Diploma, Chemistry, Biology, Physics, Mathematics

2015 - 2017

Licenses & Certifications



Inclusive Leadership 2021 - Common Purpose

Skills

Python • Git • Linux • Pytorch • Robot Operating System (ROS) • C • Vegalite, D3.js • Numpy, Plotly, Pandas • Dedicated, Quick Learner & Doer

Honors & Awards



Social Innovation Award - Tsinghua University

2021

Won the Social Innovation Award in SDG Hack 11, TSINGHUA GLOBAL SUMMER SCHOOL 2021 with topic 'AI to Solve Education Accessibility Problems in Rural Areas'



Country Topper in AS Level Chemistry - University of Cambridge

Nov 2016



Best student of the batch 2015/2017 - The British College, Kathmandu

2017

Awarded on the basis of academic performance and the contributions to the college.



2nd Position in Inter-School Olympiad - Budhanilkantha School

2016