

# Bibek Poudel

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## Education

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### New York University

B.Sc. in Computer Engineering, GPA [3.91/4]  
Minor in Robotics

New York, USA  
Aug 2022 – May 2026

**NYUAD Engineering Fellowship (2024-2025):** Selected by the NYUAD Engineering Department for a one-year fellowship to study at NYU in New York, focusing on advanced coursework and collaborative research.

### Valmiki Shiksha Sadan

Science, GPA [3.85/4]

Chitwan, Nepal  
Jul 2018 - Mar 2021

## Experience

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### Cleveland Clinic Abu Dhabi

#### Research Assistant

- Designed a highly adaptable phantom prototype for 3D printing systems.
- Authored a quality control manual to streamline project processes.
- Explored certification pathways for project accreditation.

Abu Dhabi, UAE  
Jan 2024 – Oct 2024

### NYUAD Plastic Recycling Research Lab

#### Fabrication and Operations Assistant

- Assisted faculty with lectures and hands-on training on plastic recycling.
- Managed workshop inventory and conducted routine equipment maintenance.
- Guided students in safely operating machinery.

Abu Dhabi, UAE  
Aug 2023 - Aug 2024

### The Vijay Lab

#### Student Research Assistant

- Designed a handheld bio-printer prototype using CAD modeling and 3D printing.
- Assembled and integrated components for a functional bio-printing tool.

Abu Dhabi, UAE  
Aug 2023 - Aug 2024

### Karkhana Samuha

#### Learning Resource Design Intern

- Developed interactive learning resources for creative coding education.
- Conducted pilot sessions to validate resource effectiveness.
- Co-facilitated workshops to equip teachers with creative coding skills.

Kathmandu, Nepal  
Jun 2023 - Aug 2023

## Skills

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**Programming Languages:** C, C++, MATLAB, Python

**Software Packages:** Solidworks, Arduino, KiCad, TensorFlow, PyTorch, Scikit-learn Adobe Creative Suite, LaTeX

**Hardware:** Arduino, Esp32, STM32 Micricontrollers, M5stack, Microbit, Laser Cutting, 3D printing, CNC machining, Raspberry Pi, Jetson Nano

**Machine Learning:** Neural Networks, Deep Learning, Computer Vision, Data Analysis

**Robotics:** Robot Operating System (ROS), SLAM, Path Planning, Robot Kinematics

**Languages:** English, Nepali