

MANISH KUMAR YADAV

manishky.official@gmail.com | yourwebsite.com

 LinkedIn |  Google Scholar

Kathmandu, Nepal

RESEARCH INTERESTS

Robotics, VLSI Design, Embedded Systems, Operating Systems, Bioinformatics

EDUCATION

- **Pulchowk Campus, Institute of Engineering, Tribhuvan University** Nov 2021 - April 2025
Bachelor's Degree in Electronics, Communication and Information Engineering Kathmandu, Nepal

PUBLICATIONS

- [1] Ray, A., **Yadav, M. K.**, Dawadi, B. R., & Bhandari, K. R. (2025). Game Theoretic Approach to QoS Oriented Machine Learning Model Development towards 5G Network Migration Planning. IEEE Access. <https://doi.org/10.1109/ACCESS.2025.3563096>
- [2] Sapkota, B., Ray, A., **Yadav, M. K.**, Dawadi, B. R., & Joshi, S. R. (2025). Machine Learning-Based Attack Detection and Mitigation with Multi-Controller Placement Optimization over SDN Environment. Journal of Cybersecurity and Privacy, 5(1), 10. <https://doi.org/10.3390/jcp5010010>

EXPERIENCE

- **Himalaya College of Engineering, Tribhuvan University** May 2025 - Present
Teaching Assistant
 - Conducted Data Communication theory classes to second and third year Computer Engineering students.
 - Conducted lab classes in Data Communication (using MATLAB), Digital Logic (using Proteus), Microprocessor (using 8085 kit), Instrumentation (using 8085, 8255 kits).
- **Cosmos College of Management and Technology, Pokhara University** Nov 2024 - Apr 2025
Lab Assistant
 - Conducted lab classes on computer architecture and components; Assembly of desktops, laptops and servers; Installation of Linux Operating System; Installation of Network devices and configuration of access-lists; Troubleshooting device errors.

SKILLS

- **Programming Languages:** Python, C++, C, MATLAB, JavaScript, Assembly, SQL
- **Data Science & Machine Learning:** Data Collection, Data pre-processing, Supervised, Unsupervised, and Reinforcement Learning Algorithms
- **Tools:** L^AT_EX, Linux CLI, HTML, CSS

AWARDS

- **Univeristy Grant Commission (UGC) reward**
Both our papers were funded by UGC, which covered the article processing charges for the publication.
- **Merit-based stipend across multiple semesters**
Department for Electronics and Computer Engineering, Pulchowk Campus
- **Merit-based scholarship for undergraduate engineering study**
Government of Nepal
 - The scholarship covers 90% of the all the fees for engineering study.

CERTIFICATIONS

- **Coursera: Machine Learning Specialization** Oct 2023
- **Coursera: Python for Everybody Specialization** Nov 2022