



Rajesh Gautam

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ABOUT ME

As an enthusiastic electrical and electronics engineer I am passionate about robotics and automation, I have developed a strong foundation in electrical engineering principles and advanced technologies. My curiosity and love for learning have led me to constantly explore new ideas and concepts in the field, allowing me to stay on the cutting edge of innovation. My strong leadership and communication skills will enable me to work effectively in teams and motivate others to achieve common goals. Additionally, I possess a deep understanding of electronics, including the design and analysis of complex systems.

EDUCATION AND TRAINING

Bachelor's Degree in Electrical and Electronics Engineering

Kathmandu University [11/08/2018 – 17/05/2023]

City: Dhulikhel

Country: Nepal

Website: <https://www.ku.edu.np/>

High School

Bagiswori Secondary School [20/08/2016 – 15/05/2018]

City: Bhaktapur

Country: Nepal

Website: <https://bagisworischool.edu.np/>

School Leaving Certificate

Shree Melamchi Ghyang Secondary School [20/04/2014 – 12/03/2016]

City: Helambu Rural Municipality

Country: Nepal

Website: <https://melamchighyang.edu.np/>

WORK EXPERIENCE

Internship

Ultramet Communication Private Limited [11/01/2023 – 11/02/2023]

City: Banepa

Country: Nepal

- Surveying highway for CCTV surveillance system
- Power backup design
- Estimation and installation, familiarization with FTTH and network monitoring tools

Treasurer

Kathmandu University Robotics Club [12/01/2020 – 12/01/2021]

City: Dhulikhel

Country: Nepal

Editor-in-chief

Kathmandu University Robotics Club [09/07/2019 – 14/12/2019]

City: Dhulikhel

Country: Nepal

DIGITAL SKILLS

Electronic simulation software: Circuit Wizar, Proteus, Multisim, EasyEDA / Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access / AutoCad 2D -3D / Programming Skills: Java,C++/C, Python programming, computer graphics, compilers / Matlab/Simulink / Engineering simulation (ANSYS) / Cisco packet tracer

VOLUNTEERING

CanSat Workshop (Weather Monitoring Station)

Robotics Workshop trainer at Kathmandu University Robotics Club

Basic electronics workshops to different schools and colleges

Ground design for CubeSat

Workshop on renewable energy system

Raspberry Pi workshop trainer

Mobile application development workshop

PROJECTS

Home Automation System

UNG First Year Project

Laser-Based Visitor Counter

UNG Second Year Project

IoT-Based Municipal Waste Monitoring System

UNG Third Year Project

Study on Beamforming Techniques for MIMO System in mm-Wave Communications

Final Year project