

SATISH ADHIKARI

Dang, Nepal | adhikari.satishh@gmail.com | +977 9829504783 | [linkedin.com/in/satishadhikari/](https://www.linkedin.com/in/satishadhikari/)

EDUCATION

Kathmandu University | *Bachelor of Electrical and Electronics Engineering* *Dhulikhel, Nepal* | **2018-2023**

- **Cumulative GPA** : 3.64/4
- **Percentage Equivalent** : 87.05 %

Prasadi Academy | *High Level School (10 +2), Science* *Lalitpur, Nepal* | **2015-2017**

- **Percentage**: 79.50 %

Padmodaya Public Secondary School | *School Leaving Certificate (SLC)* *Dang, Nepal*

- **Percentage**: 80.50 %

SKILLS

Programming C / C++ / MATLAB/ Simulink / Python (Numpy, Pandas, Scikit-learn)

Circuit Design and Simulations Proteus / Power Factory DlgSILENT / ETAP / KiCAD / PVSyst / DIALux

Others Adobe Illustrator / Adobe Photoshop / AutoCAD/ Microsoft Projects

Language Skills :

Mother Tongue Nepali

Others Hindi (Indian) / English

PUBLICATION

- “Microcontroller Driven MPPT System to Enhance Photovoltaic Efficiency: An Experimental Approach in Dhulikhel, Nepal,” IOP Conference Series: Material Science And Engineering. **Under Review**

EXPERIENCE

Electrical Engineer | *NEA Engineering Company Ltd.*

Trade Tower – Kathmandu, Nepal

Jan 2024 – May 2024

- 132 kV Underground Transmission Line study and proposal for contract bidding.
- Site visit and details feasibility study reports.
- 400 kV Double Circuit West Seti Corridor transmission line feasibility analysis.
- 132/11 kV Sunakothi GIS Substation study and preparations of general and protection SLD.
- Surveying substations to evaluate reinforcement and upgrades to meet rising demand in Kathmandu Valley.

- Bajura Solar Power Plant potential output power evaluation and analysis.

Associate Electrical Engineer | *NEA Engineering Company Ltd.*

Trade Tower – Kathmandu, Nepal

June 2023 – Dec 2023

- Load flow analysis of distribution system for camp facilities of Kimathanka Arun Hydroelectric Project.
- Transformers sizing, cable sizing, load modelling.
- 132/11 kV AIS Minbhawan Substation study and preparation of SLD.

PROJECTS

Home Automation

Digital Object Counter

Design and Fabrication of Respirator

Designing MPPT Controller for Photo-Voltaic Power Generation System

Substation Earthing Grid Design

Fault Analysis for the Power Grid Model of Bagmati Province, Nepal

EXTRA CURRICULAR ACTIVITIES

- Participated in educating the students about basic components of electrical systems as organized by Department of Electrical and Electronics Engineering (DOEE), Dhulikhel, Nepal.
- Assisted in reviewing and editing the annual journal of DOEE.
- Volunteering, managing and fund raising for annual event EEPEX (Electrical and Electronics Projects Exhibition) and Robotics Club.
- Participation in Science Exhibition organized by Ministry of Education, Science and Technology in Dang, Nepal.

REFERENCES

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