

# Rabin Sapkota | *Electrical Engineer*

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Kavrepalanchok | [mailtorabin1999@gmail.com](mailto:mailtorabin1999@gmail.com) | +977-9861692212 | [linkedin.com/in/rabin-sapkota](https://www.linkedin.com/in/rabin-sapkota)

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## Professional Summary

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*Dedicated Electrical Engineer with a strong academic background and hands-on experience in project management, electrical design, and technical documentation. Seeking to leverage my expertise in electrical engineering to contribute to innovative projects and further my professional development.*

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## Professional Experience

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### Project Engineer

**DEC 2023 –Present**

***Cosmic Electrical Limited*** | Dolpa-Darchula 11/0.4 kV Rural Electrification Project

- ❖ *Led pre-construction activities, including desk studies, site surveys, and preparation of detailed Bill of Quantities (BoQ) for 11 kV line components and accessories.*
  - ❖ *Developed and maintained As-built drawings, structural data sheets, and comprehensive project schedules to ensure efficient execution.*
  - ❖ *Coordinated and streamlined communication between subcontractors and the project office, ensuring alignment on project goals and timelines.*
  - ❖ *Oversaw on-site project monitoring and quality control, ensuring adherence to technical standards and safety protocols.*
  - ❖ *Managed financial aspects by preparing and submitting running bills, ensuring accurate and timely coordination with the employer for cost management.*
  - ❖ *Implemented the innovative solutions to overcome challenges unique to rural electrification, resulting in a 20% improvement in the project efficiency.*
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## Skills

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### ❖ Technical Skills

- *Electrical System design and analysis*
- *Rural electrification planning and execution*
- *Project management and coordination*
- *Technical documentation and reporting*
- *Quality control and safety compliance*

### ❖ Software Proficiency

- *AutoCAD, ETAP, Proteus, MATLAB(Simulink)*
- *Microsoft Office Suite, LaTeX*
- *GPS Survey*

### ❖ Language

- *Nepali (Native)*
- *English (Professional Working Proficiency)*
- *Hindi (Professional Working Proficiency)*

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## Education

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- ❖ **Bachelors of Electrical Engineering** *Aug 2018- Mar 2023 [79.13%]*  
*IOE | Khwopa College of Engineering*  
*Relevant coursework: Power system analysis, Electrical systems (Generation, Transmission and Distribution), Project Management*
- ❖ **Intermediate Level Education (Science)** *May/2015 - Aug/2017 [77.70%]*  
*HSEB | Capital College and Research Center*
- ❖ **Secondary Level Education** *March/2005 - Apr/2015 [79.25%]*  
*SLC | Shree Mahankal Secondary School*

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## Certificates and Training

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- ❖ **Provided Workshop on Basic Electronics** **15 hours**  
*Jointly organized by Department of Electrical Engineering, Khwopa college of Engineering from 22nd to 29th July, 2022*
- ❖ **Participated on “Online Basic MATLAB Training”** **15 hours**  
*Jointly conducted by Khwopa College of Engineering and Khwopa Engineering College from 15th to 30th May, 2020.*
- ❖ **Participated on "Arduino Based project Development"** **9 days**  
*Jointly conducted by Khwopa College of Engineering and Khwopa Engineering College from 13th to 19th Mangsir 2076*
- ❖ **Participated on "Small Wind Turbine Construction"** **8 days**  
*Jointly conducted by Khwopa College of Engineering and Khwopa Engineering College, ACE, KAPEG and Surge Engineering from 9th July to 16th July*
- ❖ **Participated on "Science & Robotics Project Development"** **5 hours**  
*Organized by Kalinga Science Center, Raipur (C.G) and CCRC on 18th December 2016*

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## Publications and Conference

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- ❖ **Optimal Protection Coordination of Directional Overcurrent Relays Considering N-1 Contingency**  
*Presented at ICT-CEEL 2023 jointly organized by Khwopa College of Engineering and Khwopa Engineering College on 11th-13th October, 2023*
- ❖ **Participated on "2nd Int'l Conference on Role of Energy for Sustainable Social Development"**  
*Jointly conducted by Khwopa College of Engineering and Khwopa Engineering College from 8th and 9th August 2022*

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## Areas of Interest

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*Power Systems, Hydropower, Reverse Engineering, Electrical Transmission and Distribution, Football Analysis*

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## References

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- **Er. Rakesh Gwachha** | *Head of Department (Electrical Department)* | Khwopa college of Engineering  
Email - [gwachha.rakesh@khwopa.edu.np](mailto:gwachha.rakesh@khwopa.edu.np)
- **Er. Dev Bahadur Khatri** | *Project Manager* | Dolpa-Darchula 11/0.4 kV Rural Electrification Project |  
*Cosmic Electrical Limited* | Email - [devkhatri39@gmail.com](mailto:devkhatri39@gmail.com)
- **Er. Abhimanyu Bhimarjun Panthee** | *Project Manager* | Dolpa-Darchula 11/0.4 kV Rural  
Electrification Project | *Cosmic Electrical Limited* | Email – [idlabhi@gmail.com](mailto:idlabhi@gmail.com)