

Experience

- Sep 2022–Present **Founder & CEO**, LAXMI SOFT PVT. LTD., Kathmandu, Nepal.
- Lead company's projects
 - Handle overall management/communication
- Sep 2021–Mar 2022 **Blockchain Fellowship**, ESATYA,RUMSAN GROUP OF COMPANIES, Kathmandu, Nepal.
- Learn blockchain based development
 - JavaScript, Solidity, Smart Contracts, Digital Wallet, etc

Education

- Nov 2017–Mar 2022 **Khwopa College of Engineering (Tribhuvan University), Libali, Bhaktapur, Nepal,**
Bachelor of Engineering - BE (Computer Engineering).
Overall Grade: 78.98% (3.96 in 4 scale, Source:WES-iGPA Calculator)
- Aug 2015–Jul 2017 **Uniglobe HSS, Kamaladi, Kathmandu, Nepal,**
High School(Major: Computer Science, Physics, Math).
Overall Grade: 80.00%

Skills

- Languages Python, C/C++, SQL, JS, Java, Android(Java), NoSQL, SQL, Solidity, HTML/CSS
- Domain AI-ML,Deep Learning, Computer Vision,Data Science, Blockchain
- Frameworks PyTorch, Keras, Tensorflow, Numpy, Scipy, Pillow, Django, Flask, OpenCV, Scikit-Learn, Scikit-Image, Matplotlib, Matlab
- Utilities Anaconda, Git, VS Code, PyCharm, Jupyter Notebook
- Communication English, Hindi, Nepali(Native)
- Others Agile Methodology(SCRUM framework), Design Patterns, Photoshop, Illustrator, Linux Scripting, LaTeX

Projects

- 2022 – Present **Self-learning approach to estimate the real-time electricity-mix- limit in a converter-dominated power system.**
- Summary:** This strategy's main objective is to ensure that the IBR-dominated power system can be operated safely in both normal and emergency scenarios using Self-learning Based approaches.
- Tools:** Python, Tensorflow2.x, Keras, Matlab
- 2022 **Automated Face Recognition Based Attendance System Using Retina face and FaceNet,** Khwopa College of Engineering, Bhaktapur, Nepal,
<https://github.com/nabinadhikariofficial/Automated-Face-Recognition-Based-Attendance-System>.
- Summary:** A machine learning based approach for taking attendance in class and it's database management (achieved 99.76% accuracy on training data and 97.21% accuracy on validation data).
- Tools:** Python, Scikit-learn, Tensorflow2.x, Keras, Facenet, RetinaFace, Flask, NoSQL
- 2021 **Fund Allocation and Tracking through Blockchain,** Khwopa College of Engineering, Nepal,
<https://github.com/nabinadhikariofficial/FundAllocationAndTracking>.
- Summary:** Decentralized fund management system with transparent fund allocation and tracking underlying blockchain architecture.
- Tools:** Python, Numpy, MySQL, Solidity, Smart Contract

- 2020 **Marriage point calculator (Android Application)**,
<https://github.com/nabinadhikariofficial/Marraige-point-calculator>.
Summary: This app calculates the points for that particular card game which is found to be tedious for players and gives their equivalent points based upon the calculation.
Tools: Android(Java)-Android Studio
- 2018 **Water Boiler Controller Arduino (Android Application)**, *Khwopa College of Engineering, Nepal*,
<https://github.com/nabinadhikariofficial/Water-Boiler-Controller-Arduino>.
Summary: This project is Arduino based water boiler controller where android app is created which is used as the controlling mechanism for the Arduino, running on the basis of different sensors used for controlling the actual hardware
Tools: Android(Java)-Android Studio, Arduino IDE

Awards and Talks

- 2022 **AI and Blockchain, Speaker**, *Esatya, Kathmandu, Nepal*.
- 2019 **Presentation Competition, Runner-up**, *Khwopa college of Engineering, Bhaktapur, Nepal*.
- 2018 **Robot Competition(Line Tracking), 2nd Runner-up**, *Khwopa college of Engineering, Bhaktapur, Nepal*.
- 2016 **Science Festival 2016, Runner-up**, *Uniglobe HSS, Kathmandu, Nepal*.
- 2016 **Web Design Competition, Runner-up**, *Uniglobe HSS, Kathmandu, Nepal*.
- 2014 **Vth Gyan Wiz Week, Finalist (Math quiz)**, *AVM Higher Secondary School, Lalitpur, Nepal*.

Leadership and Volunteer Experiences

- 2023 **Lions Club of Kathmandu Sundhara Bagdurbar, Treasurer**.
- 2022 **Lions Club of Kathmandu Sundhara Bagdurbar, Joint Treasurer**.
- 2022 **Lions Club of Kathmandu Sundhara Bagdurbar, Charter Member (Int. lions id: 5936431)**.
- 2021 **Khwopa Annual Event, Picnic Coordinator (Computer Department)**.
- 2020 **Khwopa Robotics Event, Organizing team**.
- 2017 **Uniglobe Science Club, Member**.

References

Er. Dinesh Gothe, gothe.dinesh@khwopa.edu.np,
Head of Department, Department of Computer Engineering, Khwopa College of Engineering.

Ashish Shrestha, Ashish.Shrestha@usn.no,
PhD Research fellow, University of South-Eastern Norway.

Other references of my work, certificates and projects are available upon request.