

# MAHIMA DHAKAL



## PERSONAL PROFILE

I am an engineering student with a vision to learn and express new ideas, innovations and has creativity and curiosity to explore the area of knowledge.

## EDUCATION HISTORY

### TILOTTAMA CAMPUS

+2 Science | 2018-19

### PULCHOWK ENGINEERING COLLEGE

BE | 2019-Present  
Computer Engineering

## INTERNSHIPS

- **Bikash Udhyma, Nepal in data.**  
Team Lead, Web Scraping | 2021-2022
- **UXCam**  
Backend development | 2023

## SCHOLARSHIPS

- **One Belt One Road Scholarship, 2019:**  
Northwestern Polytechnical University, X'ian, China  
Nepal - China , Silk Road Contract
- **Scholarship by Embassy of India.**  
Vellore Institute of Technology
- **Golden Jubilee Scholarship**  
Embassy of India

## ACHIEVEMENTS

- **National award, 2019:**  
Province Topper, NEB  
Awarded by the then Prime Minister, Nepal  
National Science Day, National Science and technology ministry.
- **Hult Prize OnCampus Event: Semifinalist:**  
Pulchowk Campus, 2022
- **Ace Ignite hackathon 2022 : 1st runner up**  
Secured first runner up in 48 hour long hackathon organized by Ace Institute of Management.
- **Naamche Hack a week: Winner**  
Secured first position a week long hackathon organized by LOCUS 2023 and Naamche
- **UXCAM Codecamp : Winner**  
Secured first position in 2 days long codecamp organized by LOCUS 2023 and UXCAM.

## GET IN CONTACT

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## AREAS OF EXPERTISE

- HTML/CSS/JavaScript
- Python
- Django
- C, C++
- ReactJs
- MongoDB
- MySql
- Adobe Illustrator
- Artificial Intelligence
- Machine Learning

## OTHER SKILLS

- Leadership and communication
- Teaching experiences
- Team organization and management
- Singing, Dancing, Poetry
- Cricket

## LANGUAGE

- English
- Nepali
- Hindi

## EXPERIENCES

### Creative Director, LOCUS

[2022-Present](#)

- Lead of the Creative Team for LOCUS 2024.
- Direct and manage all the graphics designing, content writing, photography and videography for LOCUS 2024.
- Organizer of CodeCamp, Hack-A-Week and Technergy organized by LOCUS 2024.

### Scholar, NAAMI

[2023](#)

- Selected for Fourth National Annual School organized by Nepal Applied Mathematics and Informatics for Research (NAAMI)
- 10 days, (55 hour lecture, 18 hour lab sessions and 14 hour project and professional development sessions) AI School

### Creative Lead, PDSC

[2022-2023](#)

- Head of the graphics designing and content writing team in the organization.
- Mentored general members about the basis of designing and its implementations.
- Organized workshops like Blockchain Workshop, Django Workshop and Python for Automation.

### Member, IEEE computer society Nepal

[2023-Present](#)

- Coordinated in arranging international conference on "Multimedia and its current advancements".
- Coordinated with "SheQual Foundation" for organizing design workshop for girls in Pulchowk campus.

### Technical Manager, Pulchowk Girls:

[2021-2023](#)

- Leading the technical team in organizing the events, seminars and workshops.
- Coordinated in organizing events like "Cyber Crime and its impacts", "Perception of the LGBTQIA+ community", "Women in Engineering", and competitions like video-making competition, online speech competition and impact marathon.
- Participated in the events like doing surveys regarding problems related to girls and sought for solutions in the campus.

### Software Team, LOCUS-2023

[2023](#)

Worked with the software team in Frontend of certification system of LOCUS 2023.

### Graphics Designer, IT-club-Pulchowk Campus,2022

[2022](#)

Designing templates, posters and pamphlets for the events and workshops in the organization.

### Hour of Code,2022:

- Did a hour of code in "Akshar Academy" for 9 class students with less programming expertise.
- Mentored about the current advancement of AI and technology and got a teaching experience to deliver knowledge.
- Basics of programming using "hourofcode.com" and organized competition of game development.

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## PROJECTS

### Drishya

[Tensorflow lite](#), [ReactJs](#), [Raspberry Pi](#)

Smart goggles that detect surrounding around it through camera-fed AI model that informs the user with very low or no eyesight by prioritizing the objects and informing their positions. This is helpful for blind people to guide their way replacing their ultrasonic walking stick.

### Yoggis

[Mediapipe](#), [ScikitLearn](#), [Django](#), [Python](#), [PostgresSql](#)

An AI yoga trainer app that looks checks the posture on different yoga positions, gives feedback at real-time, records daily progress, provide recommendations and show warnings. This is helpful for those individuals who cant go to yoga trainer due to time and money constraints.

### Maitrika

[React](#), [Express](#)

An application that connects Female Community Health Volunteer (FCHV) with doctors, tracks events, generates automated prescriptions to aid them in checkups. This is a step for a digitalization in remote areas in the field of health and a connection of volunteers to specialized doctorsTech :

### Ask-Out

[MERN Stack](#)

A web-based application that provides a question-and-answer platform to the group of people working together in a workplace anonymously.

### Aawaj

[C++](#)

A console-based social media application with features of creation of account, communication and networking with others. This was done to implement certain feature of the complex social media platforms like Facebook and Instagram.