

# AAROGYA BHANDARI

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## EDUCATION

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### Institute of Engineering, Tribhuvan University, Thapathali Campus

Bachelor of Computer Engineering

Kathmandu, Nepal

2021 – Present

- Key Courses: Data Structure and Algorithm, Artificial Intelligence, Theory of Computation, Discrete Structure, Microprocessor System, Data Mining, Computer Networks

### Fusemachines

Microdegree™ in Artificial Intelligence

Kathmandu, Nepal

April 2024 - October 2024

### Valmiki Shiksha Sadan

School Leaving Certificate (SLC), Science

Chitwan, Nepal

July 2018 - April 2020

## ACADEMIC PROJECTS

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### Ultimate Entrance Cracker

3<sup>rd</sup> Semester Project

- Developed a quiz platform model similar to Engineering Entrance Exam in Nepal
- The platform was developed using C++, MySQL Database, .NET framework

### ‘Samadhan’ – A Local Government Services QueryBot

6<sup>th</sup> Semester Project

- Developed a chatbot model which answers the queries related to governmental procedures
- Performed surveys and interviews with government officials of the Lalitpur Metropolitan City
- Built using Rasa chatbot platform, JavaScript and Python

### Responsive Crime Monitoring and Instant Classification Utilizing AI on Live CCTV Feeds

AI Fellowship Project

- Created a model to classify videos as violent or non-violent
- Developed ResNet18-LSTM model for sequence analysis using PyTorch

## EXTRACURRICULAR ACHIEVEMENTS AND ACTIVITIES

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### Electronics and Computer Community Amidst Students, Thapathali (ECAST)

Communication and HR

Thapathali Campus, Thapathali

Dec 2021 – Jun 2024

- Organized college events on programming, AI, design, and gaming
- Obtained event sponsorships through outreach to external companies

### Vertex Hacks – Chapter Alpha

Organizer

Thapathali Campus, Thapathali

Sept 2022 – Jan 2023

- Organized a national-level 48-hour hackathon with participation from over 100 students
- Oversaw sponsorship outreach, ensuring adequate funding and support for the event

### Yathartha - 2080

Organizer

Thapathali Campus, Thapathali

Sept 2022 – Jan 2023

- Successfully organized a national-level engineering exhibition
- Led the event like Competitive Programming competition and Gaming competition

## LANGUAGES

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- **Nepali** - Native
- **English** - Fluent
- **Hindi** - Proficient
- **Korean** - Intermediate