

# Rohan Chhetry

I am a computer engineer who graduated from Pulchowk Engineering Campus and currently a Master's of Data science student at Charles Darwin Sydney.

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## EXPERIENCE

### IT Trainer — Kathford College

December 2023 - February 2024

<http://kathford.edu.np/>

Teaching UI/UX with figma and frontend basics on the MERN stack to BCA students.

### Associate Data Engineer — Genese Solution

February 2023 - January 2024

<https://www.genesesolution.com/>

Currently working on data engineering projects with modern cloud based technologies such as aws glue , amazon athena and generative AI , LLM chaining framework langchain and vector databases.

### Data Engineering Apprentice— CodeRush

November 2022 - June 2023

<https://coderush.com.np/>

Learning the fundamental tech skills for data engineering as well as soft skill sessions on a weekly basis. Online learning of technical skills with individual and group projects.

### Software Development Intern — LIS Nepal (Yomari)

August 2022 - February 2023

<https://yomari.com/>

Worked on IOE major project Easy Read as well as learned the basics of ETL and data warehousing, along with advanced SQL using snowflake and python. Explored visualization tools like power BI and Tableau.

## SKILLS

Data Analysis and warehouse

Logical Problem Solving

Presentation skills

Software Development

Data science related skills

## PROGRAMMING LANGUAGES

Python, SQL, HTML, CSS and JS

## LANGUAGES

Nepali(Native) , English (Fluent) , Hindi (Fluent), Japanese (Beginner)

## EDUCATION

### Charles Darwin , Sydney Campus, NSW, Australia — Masters in Data Science

Feb 2024 - Nov 2025

Studying core fundamental subjects of data science.

### AI Fellow — Fusemachines

March 2022 - Dec 2023

<https://fusemachines.com/>

A scholarship educational program with key AI micro degrees of Machine Learning , Deep Learning , Computer Vision and Natural Language Processing. Offered by fusemachines a USA and Nepal based AI Service provider. Virtual self paced online learning with imposed deadlines.

### Data Fellow — Code For Nepal

January 2023 - June 2023

<https://codefornepal.org/>

Learning various skill and career tracks from data camp to improve technical skills. Self paced online learning

### Pulchowk Engineering Campus, Pulchowk, Lalitpur, Nepal — Bachelor in Computer Engineering

November 2018 - April 2023

Grade: First Division.

Key modules: Data Structures and Algorithms , Database , Object Oriented Programming , Software Engineering , Artificial Intelligence, DataBases, Enterprise Computing , Big Data

### United Academy Secondary School, Kumaripati, Lalitpur, Nepal — High School Degree

June 2016 - May 2018

Field: Science ( GPA - 3.57 )

## VOLUNTEERING

### LEO club of Kathmandu Buddhigandaki

— IT Head

June 2022 - July 2023

Required to handle all the IT related work with the IT team. Organize and implement programs.

— IT Advisor

June 2023 - February 2024

Advisement and initiating IT projects as well as helping out with all other endeavors as member of the executive board

## **LEO club of Kathmandu Miracle**

—General Member

Sept 2020 - July 2022

Key skills learned: Working in an organization hierarchy , self supervised working towards a common goal, leadership and public speaking skills.

## **IEEE Pulchowk Student branch**

— IEEE membership number: 989599677

September 2022 - April 2023

## **PROJECTS**

### **LLM Gandalf**

Utilized aws bedrock LLM along with langchain and opensearch vector database for personal data LLM for question answering with a serverless lambda backend, along with a reactive chat UI in react.

### **Easy Read**

(<https://github.com/0000Blaze/EasyRead>). A OCR and TTS solution for the visually disabled. The technology involves a mobile application to capture image send to the server for OCR and TTS processing and then a mobile application which gives the audio feedback. Used : python , React Native , Java

### **Smart Attendance**

(<https://github.com/0000Blaze/Smart-Attend>). A digitalized approach to the traditional attendance system with features of face recognition and server support. Scraped for data of students and their images, worked on the UI and server side of the application. Used: python, SQL , HTML/CSS.

### **Mero Ledger** (<https://github.com/0000Blaze/MeroLedger>).

Mero ledger is a personal finance managing online application which tracks and recommends financial decisions to user. Worked in the backend with MERN stack ( MongoDB , Express and NodeJS)

### **Imperial Court Society webpage**

(<https://imperial-court-society.com.np/>). Contract project that involved digitalizing the company. Made webpage as well as business email and some hardware support.

## **ACHIEVEMENTS**

### **‘Dream Act Achieve Event’**

(<https://www.studentaffairsnepal.com/>).Organized by

Student Affairs, Kathmandu , Nepal (15 Jan , 2018) . An event for realizing one's dreams and planning for future studies and success

### **‘Hack A Week’**

(<https://locus.pcampus.edu.np/>) .Organized by locus 2020 (26 Jan,2020). Week long hackathon that involves inception and creation of a working product of proposed ideas .

### **‘Quantum Hack’**

(<https://nxtgennepal.org/>). Nepal's first digital hackathon (28-29 Aug 2020) organized by Nxt Gen. A hackathon with a team of four to make a working product of a proposed idea.

### **‘3rd NAAMII winter school in AI’**

(<https://www.naamii.org.np/>). A 10 day (20- 30 Dec 2021) comprehensive school in AI involved AI experts and enthusiasts for all education levels (Ph.D , Masters and Bachelors) exploring various improvements and latest papers in Artificial Intelligence.

### **‘AeHIN Hour’**

(<https://www.asiahealthinformationnetwork.org/>). Presenter for ‘OpenIMIS status and implementation in Nepal’ (8 March 2022). Asia eHealth Information Network is a collaboration of digital health advocates created by the World Health Organization in 2011 to help Asian countries with digital health development. AeHIN is a nonprofit organization incorporated in Hong Kong and maintains a secretariat team in Manila, Bangkok, and Kuala Lumpur.

### **‘Datathon OpenIMIS - DRG Thailand Winner’**

(<https://card.ioe.edu.np/openimis-drg-datathon/>). Winner in the datathon organized by AeHIN , IOE , SIL-TH ,OpenIMIS and CARD. The datathon lasted 72 hours (June 3 - 5, 2022)and involved the mapping of the successful DRG thailand data model with the OpenIMIS data model.

### **Yomari Coding competition Winner’**

(<https://yomari.com/>). Placed first in the inter staff yomari coding competition held on November 13 , 2022. The competition was python based competitive programming.

### **Locus 2023 Yomari Coding competition Organizer**

(<https://locus.pcampus.edu.np/>). Organizer in the competition jointly coordinated by locus 2023 and LIS Nepal. The competition was python based competitive programming