Rohan Chhetry

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Education

Feb 2024 - Nov 2025

Charles Darwin University, Sydney – *Master of Data Science*

Mar 2022 - Dec 2023

Fusemachines, Nepal – *Artificial Intelligence Fellow*

Jan 2023 - June 2023

Code For Nepal, Nepal – *Data Fellow*

Nov 2018 - April 2023

Institute Of Engineering, Pulchowk, Nepal – *Bachelor of Computer Engineering*

Experience

Dec 2023 - Feb 2024

Kathford Int College, Balkumari, Nepal – *Software Programming Instructor*

- Instructed frontend development with HTML5 , CSS3 , JS and React framework
- Introduction to User Interface/ User Experience design with Figma
- Collaborative project with use of Git version controlling

Feb 2023 - Jan 2024

Genese Solution, Bakhundole, Nepal – *Associate Data Engineer*

- Worked on LLM AWS bedrock, Open Search vector database and integrated chatbot
- Serverless Lambda backend and dynamic medical report generation

Nov 2022 - June 2023

Code Rush, Dhobhigaht, Nepal – *Data Engineering Apprentice*

- Technical skills like python for data engineer, aws services etc
- Soft Skills like presenting , SCRUM , risk analysis etc
- Collaborative teamwork and multiple mini projects.

Aug 2022 - Feb 2023

LIS Nepal (Yomari), Manbhawan, Nepal – *Software Engineering Intern*

- Data pipelines , ETL with Snowflake and python
- Data visualization with power BI and Tableau
- Worked in Optical character recognition and text to speech project easy read

Other Experiences

Nov 2023 - Feb 2024

Latest Technology, Lagankhel, Nepal – *Mobile Repair Technician*

- Front desk customer handling and problem solving
- Technical repairs like part replacements and Integrated chip reballing
- Use of hot gun , hot plate and soldering rod etc as per requirement

Dec 2021 - May 2022

Imperial Court Society, Sanepa, Nepal –*IT Support*

- Initial setup of technical computing environment for office
- Support for software and hardware issues in office setting
- Development of website and online presence of organisation

Sep 2018 - Oct 2018

Kids Sansar, Nepal – *Photographer*

- Photography of various retail stores and recreation centres aimed at children
- Marketing and people skills for communication with various clientele
- Travel to unknown locations and customer skill for photography

Volunteering/ Organisations

July 2023 - Feb 2024

Leo Club of Kathmandu Budhi Gandaki, Nepal – *IT Advisor*

Sep 2022 - April 2023

IEEE Pulchowk Student Branch, Nepal – *Membership number : 989599677*

July 2022 - June 2023

Leo Club of Kathmandu Budhi Gandaki, Nepal – *IT Head*

Sep 2020 - June 2022

Leo Club of Kathmandu Miracle, Nepal – *General Member*

Awards

- **Locus Yomari Coding Competition 2023** - *Organizer*
- **Yomari Coding Competition** - *Winner*
- **Datathon OpenIMIS-DRG Thailand** - *Winner*
- **Asian eHealth Information Network Hour** - *Presenter*
- **Third NAAMII winter school** - *Participant*
- **Quantum Hack** - *Participant*
- **Hack a Week** - *Participant*
- **Dream Act Event** - *Participant*

Projects

- **Enterprise Large Language Model Chat bot**
  Use of technologies such as AWS bedrock as base model, open search vector database and langchain framework with APIs integration of serverless backend in lambda with react frontend chatbot interface.

- **Medical Record Dynamic PDF Generator**
  Use of technologies such as python package reportlab for PDF generation and a serverless lambda backend with API requests trigger personalised medical report generation with varied data ingestion.

- **Optical Character Recognition and Text To Speech Application**
  Use of technologies such as flask framework with preprocessing in Java and tesseract optical character recognition with google text to speech package server , and a react native mobile application for users.

- **Centralised Face recognition attendance system**
  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 technologies include python, SQL , HTML/CSS.

- **Financial planner**
  A financial planner aimed at beginners for right financial advice developed in the MongoDB , Express , React and Node JS stack.

- **Multiple Commercial websites**
  Design and deployment of multiple enterprise websites and personal blog sites for customers via freelancing