



Mohan Sharma

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Address: Bareng Rural Municipality -2, Baglung District, Gandaki Province ,Nepal (Home)

ABOUT ME

Computer Science graduate with over 3 years of experience in IT engineering, specializing in data science, business analytics, and software development. I have a strong background in machine learning and computer vision, evidenced by my published research on lung cancer prediction using deep learning. My roles as a Research Analyst, Software Developer, and Open-Source Contributor highlight my ability to innovate and optimize systems. I bring a blend of technical expertise and analytical skills, ready to contribute to impactful projects in a dynamic environment.

WORK EXPERIENCE

01/06/2022– 05/03/2025

SENIOR IT OFFICER || WEB DEVELOPER || TICKETING OFFICER ROSHI TOURS AND TRAVELS PVT.LTD.

- Oversee and maintain the company's IT infrastructure, including servers, networks, and security protocols.
- Ensure optimal performance, security, and user experience through regular updates and troubleshooting.
- Administer and optimize ticketing systems (Sabre, Amadeus, Galileo) for effective customer support.
- Apply expertise in IT, web development, and ticketing tools to meet business needs.
- Work closely with stakeholders and support teams to gather requirements, address issues, and enhance IT and web solutions. Communicate effectively and provide excellent customer support.

Business or Sector Other service activities | **Department** IT Department |

Address Sinamangal, Kathmandu, 44600, Kathmandu, Nepal | **Email** travelroshi@gmail.com | **Website** <https://travelroshi.com/>

01/08/2023 Boston, United States

OPEN-SOURCE CONTRIBUTOR UNIFYAI

- Develop and refine features for Ivy, addressing bugs and implementing improvements.
- Collaborate with other contributors, participate in discussions, and provide support to users.
- Document changes and contributions to ensure clarity and ease of use for the community.
- Review and provide feedback on pull requests from other contributors.

04/2023 – 05/2023 Singapore, Singapore

DATA SCIENCE AND BUSINESS ANALYTICS INTERNSHIP THE SPARKS FOUNDATION

- Prediction using supervised and unsupervised Machine Learning
- Exploratory Data Analysis – Retails, Terrorism, sports
- Prediction using DecisionTree Algorithm
- Stock Market Predictionusing Numerical and Textual Analysis
- Timeline Analysis: Covid-19

12/2023 Kathmandu, Nepal

UNIVERSITY RESEARCH SUPPORT TRIBHUVAN UNIVERSITY

- Conducted leading-edge researchon a project lung cancer prediction
- Compiled a comprehensive review of the historyand current state of prediction systems.

- A web-based interface for converting currency and getting the output value, for example, her displays converting the currency of the US dollar to INR.
- Create a Tic-Tac-Toe Game web application using Python.
- Create a Scientific Calculator in Python.
- Create a Simple Search Engine in Python.
- Create a Text Editor in Python

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EDUCATION AND TRAINING

2019 – 2024 Kathmandu, Nepal

BACHELOR OF COMPUTER APPLICATION (BCA) | MAJOR DATA SCIENCE AND ENGINEERING

Trivhuvan University

- Excelled in IT engineering, networking, security, and programming languages (Python, Java, Javascript).
- Specialized in microprocessors, numerical analysis, statistics, and mathematical modeling.
- Developed expertise in operating systems, compiler design, and Linux.
- Designed and implemented deep learning models, including CNNs, RNNs, and Transformers.
- Led projects in database management, software development, and machine learning.

Website <https://tu.edu.np/> | Field of study Software and applications development and analysis | Final grade 3.46

Level in EQF EQF level 6 | National classification Bachelor Degree | Thesis Lung Cancer predicitons using cnn

2016 – 2018 Butwal, Nepal

HIGH SCHOOL +2 SCIENCE Kanti Secondary School

Website <https://www.facebook.com/kantihssb/> | Field of study Information and Communication Technologies | Final grade 2.61

Level in EQF EQF level 5 | National classification School level education

2011 -2016 Baglung, Nepal

SEE Bhrikutee Secondary School

Website <https://www.facebook.com/people/Shree-Bhrikutee-Secondary-SchoolKafalbot-Baglung/100070680976683/> |

Field of study Generic programmes and qualifications | Final grade 3.40 | Level in EQF EQF level 4 |

National classification SEE

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LANGUAGE SKILLS

Mother tongue(s): NEPALI

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
HINDI	B2	B1	B1	B1	B1
KOREAN	B1	B1		B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Software developer | it engineer | Data Analyst | Python (PyROOT, RDataFrame; ML: Keras, TensorFlow) | programming, software engineering, software development | Artificial Intelligence frameworks: Caffe, Darknet, YOLO | BI tools and applications (Amazon AWS) | Data Science | Data Collection, Data Processing, Data Analysis, Data Visualisation | Network Security Risk Analysis | Microsoft Office | Microsoft Excel | Critical thinking | Team-work oriented | Organizational and planning skills | Good listener and communicator | Decision-making | Motivated | computer networking