

Gaurab Shrestha

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SUMMARY

Motivated and detail-oriented student with hands-on experience in analyzing complex datasets, developing data-driven insights, and applying statistical and machine learning techniques during a Data Analyst Internship. Proficient in Python, SQL, Power BI, MS Excel, etc. Possesses a strong academic foundation in Computer and Data Science and with a keen interest in advancing knowledge through rigorous research. Seeking to leverage analytical expertise and passion for innovation in a PhD program focused on artificial intelligence in agriculture and health

EDUCATION

Master of Science in Computer Science	2024 - current
York St. John University, London Campus	London, England

Bachelor of Engineering in Computer Engineering	2017 - 2022
Paschimanchal Campus (WRC), IOE, Tribhuvan University	Pokhara, Kaski, Nepal
67.57%	

SKILLS

Programming

Python, Javascript, C, C++

Web Development

NodeJs

Database & Data Warehouse

MySQL, Postgresql, MongoDB

Data Analysis

Power BI, MS Excel, Python, Tableau

Machine Learning

Numpy, Pandas, Scikit-learn, Tensorflow, Keras

Data Scraping

Beautifulsoup, Selenium

PROFESSIONAL EXPERIENCE

Data Analyst Trainee	2022 May - 2022 Sept
<u>Yarshasoft Pvt. Ltd</u>	

- Learned to analyze problem, data collection, exploration, cleaning, visualization
- Learned to implement different data analysis tools like Power BI, Tableau, Power BI
- Dashboard making, story-telling and finding KPIs
- Worked with the digital marketing team to analyze the digital marketing strategy, customer retentions, etc.

AWARDS AND ACHIEVEMENT

Innovative Computer Engineering Student's Society

2019 - 2022

- Co-ordination of multiple technical programs like competitive coding, trainings and mentorship programs

Certificate of Completion

Data Visualization: Empowering Business with Effective Insights by Tata and Forage	Aug 2022
Introduction to Data Analytics	Aug 2022
SQL for Data Science by Coursera	Jan 2023
Python Project for Data Engineering by Coursera	Jan 2023
Fundamentals of Visualization with Tableau by Coursera	Feb 2024

PROJECTS

Music Recommendation Based on Facial Emotion Recognition

- Built a GUI application that provides static songs list based on the user's facial emotion expression that is detected by the system.
- Applied different machine learning algorithms to classify different facial emotion with self-created datasets.

Vision-Based Vehicle Speed Estimation Using YOLO-Based Object Detection

- Built a real time speed estimation system using YOLO (You Only Look Once) Based Object Detection.

Performance Evaluation and Analysis of Machine Learning Algorithms in Stock Price Prediction

- Trained and compared different machine learning algorithms in stock price prediction in terms of performance evaluation metrics and computational time.
- Evaluated the effect of training data in performance evaluation metrics of different algorithms.s

Supply Chain Data Analysis, Fraud Detection and Sales Forecast

- Performed data analysis on supply chain sales data used by DataCo Global.
- Built fraud detection and sales forecast system using basic machine learning algorithms.

Data Analysis Projects Using Power BI, MS Excel and Tableau

- Different data analysis projects using python libraries like numpy, pandas, matplotlib and seaborn, Power BI and Microsoft Excel.