

# Saakar K.C

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## Education

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<b>Kathmandu University</b> , Dhulikhel, Kavre Bachelor's degree in Computer Science	2019-Present
<b>Kathmandu Model Secondary School</b> , Bagbazar, Kathmandu National Examination Board(NEB)	2018
<b>Meridian International School</b> , Baluwatar, Kathmandu Secondary Education Examination (SEE)	2016

## Experience

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- **Analysis Of Exploratory Data On Recruitment Data**  
Executed comprehensive data processing and visualization in Univariate Non-Graphical EDA, utilizing Python with Pandas and Numpy to analyze the Recruitment data.
- **Data Analysis And Visualization Of Covid-19 Data**  
Conducted comprehensive data analysis and visualization of Covid-19 data, employing Python for data preprocessing and cleaning, followed by detailed Graphical Exploratory Data Analysis (EDA) to identify trends and patterns using Python and Streamlit for dashboard.
- **HCI Research Paper Using Schneiderman's Eight Golden Rules**  
Utilized ethnographic research to inform enhancements through the lens of Human-Centered Design and usability principles, while leveraging insights from cognitive psychology and user feedback to optimize digital product usability.
- **Bhozzan Mobile Application**  
Built a React Native application for food delivery, featuring an intuitive admin control interface tailored for restaurants, to ensure smooth operations and enhance user experience.
- **CryptoMart**  
Enabled seamless purchasing of items with cryptocurrency through integration with MetaMask as a secure and efficient payment platform, ensuring smooth transactions and enhanced user convenience.
- **BlogNepal**  
Created a web-based application for blog writing with HTML, CSS, and JavaScript, focusing on user experience and fostering creativity.
- **Auction House**  
Built a web-based auctioning platform using React and Firebase, enabling smooth bidding processes and real-time updates for sellers and bidders, ensuring efficient transactions and user satisfaction.

- **CodSoft Internship Program**

Utilized machine learning algorithms for predictive analysis, fraud detection, and recommendation systems. Learned Python, Scikit-learn, and TensorFlow for implementation. Effectively interpreted model results and collaborated in team environments.

## Leadership & Activities

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### Kathmandu University Computer Club Sports Coordinator

2023-2024

- Demonstrated and honed leadership capabilities by overseeing and coordinating sports-related activities, ensuring smooth execution and fostering a collaborative environment.

### Red-Cross in Kathmandu University Member

2019-2021

- Refined problem-solving skills through active participation in various humanitarian projects, successfully tackling and resolving a multitude of challenges encountered during relief efforts.

### Winner in Inter-Departmental Model Competition for BlogNepal

2021

- Featured project presentation at Sankalpa 2021, held at Kathmandu University, providing valuable insights and solutions to a wide-ranging audience.

## Certifications

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### INSTITUTE OF MANAGEMENT, TECHNOLOGY & FINANCE

2024

- AGILE PROFESSIONAL CERTIFICATION
- INFORMATION SECURITY PROFESSIONAL CERTIFICATION

### HackerRank

2024

- Problem Solving(Basic)
- Software Engineer Intern
- SQL (Basic)
- SQL (Intermediate)
- SQL (Advanced)

## Publications

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- K.C, S., Thapaliya, S., Pradhanang, S., Bhandari, K., Acharya, A. (2023). *UI Enhancement of Online Rental Applications with the Implementation of Schneiderman's Eight Golden Rules*. Unpublished manuscript.
- K.C, S., Pradhanang, S. (2023). *Data visualization for COVID-19 tracking: With Streamlit, Pandas, and Plotly*. Unpublished manuscript.
- K.C, S. (2023). *Exploratory Data Analysis and Data Visualization of Recruitment Data: With Numpy, Pandas, and Plotly*. Unpublished manuscript

## Skills & Interests

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**Technical:** Python, SQL, Pandas, Numpy, Matplotlib, LaTeX, Javascript, C++, C, REACT, NEXT, Tensorflow

**Language:** Nepalese, English, Hindi

**Interests:** Data Science, Data Engineering, Data Analytics, Machine Learning, Artificial Intelligence , Data Research