

# SUDIP SUBEDI

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## SUMMARY

Computer engineering undergraduate at Kathmandu University, skilled in SQL, Python, JavaScript and cloud technologies. Experienced in Data Engineering, Data Science, Databases and full-stack web development, working with multiple innovative projects. Strong team player with attention to detail, looking to apply technical expertise in real life projects.

## EDUCATION

### Kathmandu University

Bachelor of Engineering in Computer Engineering

Dhulikhel, Kavre

Feb 2021 - Present

- Relevant Coursework:** Data Structures & Algorithms, Database Management Systems, Cloud Computing, Artificial Intelligence, C, C++, Operating Systems, Software Engineering, System Analysis & Design, Communication & Networking, Information System Ethics

### SOS Herman Gmeiner School

+2 Science

Bharatpur, Chitwan

2019 - 2021

## SKILLS

Languages: HTML, CSS, JavaScript, Python, SQL

Framework & Libraries: React.js, Node.js, Express.js, Flask, OpenCV, Matplotlib, Pandas, NumPy

Database Tools: MySQL, PostgreSQL, Snowflake, Excel, Power BI, ETL Processes

Others : Git, Github, Cloud Computing, Machine Learning, Data Analysis, Agile Methodologies

## EXPERIENCE

Fellowship.ai

Data Science Fellow

San Francisco (Remote)

Jan 2025 - Present

- Developing and deploying LLM-powered web agents using Python (BeautifulSoup, Scrapy) and UI-TARS for real-time, automated data scraping and UI interaction, with data efficiently stored in SQL databases.
- Building and optimizing data pipelines for cleaning, structuring, and analyzing extracted information, leveraging techniques like sentence embeddings to enhance retrieval accuracy and streamline data flow.

## PROJECTS

- Office Management System:** An office management System using C++ and Qt framework with MySQL Database
- E-Commerce Web App:** Cloth rental platform built with HTML, CSS, JavaScript, React, Node.js, a database, and payment gateways.
- Stock Market Prediction (NEPSE):** LSTM-based system (TensorFlow/Keras/PyTorch) predicting NEPSE prices using Python, data analysis libraries, and financial data.
- PDF Answer Retriever:** System extracting info from PDFs and answering questions using Python, PDF/NLP libraries, and information retrieval tools.
- Virtual Trial Room:** using OpenCV, CVZone, PyTorch, and BLIP2 for pose detection, image processing, and garment overlay.
- OpenEdit:** Web-based image editor using OpenCV (Python) and frontend technologies for image manipulation.

## PARTICIPATION & ACHIEVEMENTS

- IT Meet 2024 AI Competition: Winner** by designing and implementing an AI-driven system for real-time face tracking and dynamic head movement prioritization, leveraging computer vision and Raspberry Pi for seamless multi-user engagement.
- KU HackFest 2024:** We digitalized a concept of microloan services in the form of *SapatiSewa* and were selected in the category "Best UI design".
- KU HackFest 2023:** Our team built a mobile application *SmartKagaj* aimed to simplify paperless contract signing and authentication and won the "Best Use of Redis" award.
- Virtual Internship:** Completed Data Science Job Simulation by British Airways / Forage which included Web scraping to gain company insights and Predicting customer buying behavior .

## TRAINING & CERTIFICATES

- Associate Data Analyst, Datacamp
- AWS Cloud Practitioner (CLF\_C02), KodeKloud
- DevOps Pre-Requisite Course, KodeKloud
- Linux Basic Course, KodeKloud
- AI Associate, Salesforce
- PCAP - Python Certification Course, KodeKloud
- Introduction to Python OpenCV, Simplilearn
- Professional Diploma in Agile and Project Management, Udemy

## LEADERSHIP / EXTRACURRICULAR

- Geetanagar Junior Jaycees President: 2022
- IT MEET Mock Placement Event Manager
- Idea Studio Nepal College Ambassador KU