

# Rishi Raj Shrestha

A data enthusiast and bachelor's degree holder in BSc (1st Hons) Computing. I am currently a data engineer apprentice at Code Rush, gaining hands-on experience and enhancing my skills. I aim to use data to drive positive change. As a data engineer, I bring attention to detail and analytical skills to projects and am dedicated to delivering quality results. I am learning about the latest trends and technologies in the field, as well as refining my soft skills, at Code Rush. My goal is to make a positive impact through my work and be the best data professional I can be.

## EXPERIENCE

### Code Rush, Lalitpur — Data Engineering Apprenticeship

August 2022 - May 2023

- Gaining hands-on experience on Data Engineering Tools and Technologies.
- Actively learning about the latest trends and technologies in the field, and refining both technical and soft skills.
- Committed to personal and professional growth, demonstrating dedication and striving to be the best data professional.

### Lunar IT Solution, Itahari — Full Stack Developer

22nd August 2021 (3 months)

- Acquiring knowledge of various web development tasks and projects.
- focused on leveraging the Django framework to develop web apps that are both responsive and user-friendly.
- competent in problem-solving and debugging to guarantee that web applications operate without issues.
- Dedicated to continuous learning, keeping up with new developments in web development, and developing my full stack developer skills.

### Success Society International, Biratnagar — Social Media Officer

- Creation of social media banners and posts.
- Refining and editing videos.

## SKILLS

Python, Django

MySQL, MongoDB

HTML/CSS, JavaScript

AWS Services (S3, Glue, Redshift, EMR, Kinesis, QuickSight)

Linux, Git, Kafka, Hive

Adobe Photoshop

Illustrator

## TRAININGS AND CERTIFICATIONS

- AWS Academy[DE]
- Introduction to Big Data and Hadoop
- Introduction to Data Engineering.

## ACTIVITIES

Banner Design for Newmew Itahari.

Graphic Designer Head for Britain Fair 2021, Hult Prize at IIC 2020

## EDUCATION

### Itahari International College, Morang

2019 - July 2022

BSc (Hons.) Computing

### Sainik Awasiya Mahavidyalaya, Sunsari

2009 - 2019

Nepal Education Board (NEB)

Science (Major Biology + Extra Mathematics)

Secondary Education Examination (SEE)

## PROJECTS

### Crypto Exchange and Trading Platform

It is a cryptocurrency trading web application that interfaces with a cryptocurrency exchange API. It gives customers real-time market data, allows them to place buy/sell orders, and keeps track of their portfolio.

- The platform is designed with the Python Django framework that enables users to trade cryptocurrencies through a user-friendly interface..
- Integrated Coin Paprika API & Binance API to provide users with up-to-date market data.
- Implemented functionality for users to place buy/sell orders through the Binance API, while also enabling them to track their portfolio performance.
- Ensured secure user authentication mechanisms, including two-factor authentication (2FA), to protect user accounts and sensitive information.

### Benford's Law Validator: A Pyramid Web Application

It is a cryptocurrency trading web application that interfaces with a cryptocurrency exchange API. It gives customers real-time market data, allows them to place buy/sell orders, and keeps track of their portfolio.

- Created a web application using the Pyramid framework with a single endpoint ("/benford") to analyze CSV files.
- Implemented validation based on Benford's Law to check if the distribution of first digits in the input CSV file conforms to the expected pattern. JSON output is generated if the data conforms.
- Designed the application to efficiently handle CSV files with 10,000 or more rows, ensuring optimal performance while analyzing and validating the data based on Benford's Law.

## **Guardian**

- It is a web application that acts as a hub for pharmacists, counselors, and their customers.
- Implementation of custom user model, Google APIs, PayPal Payment Integration, and much more.
- For Technology: Python Web framework – Django, SQLite for database and HTML5, CSS and JS for frontend.
- For the development Scrum for One methodology was used.

## **Captcha Recognition**

- It is a program that takes the captcha images and predicts the text of the image.
- Implementation of deep neural network (CNN).