Rishi Raj Shrestha

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SUMMARY

I am a python developer and a data enthusiast. I have completed my bachelor's degree in BSc (Hons) Computing. Talking about my experience, I have done a data engineer apprenticeship at CodeRush which helped me to gain hands-on experience and enhance my technical as well as interpersonal skills. I aim to use data to drive positive change. As a data engineer and a developer, I bring attention to detail and analytical skills in projects. With a passion of being a data engineer, result-oriented and determined candidate looking for an organization where I can further grow my technical skills as well as interpersonal skills to create and deploy high-quality, scalable, and user-friendly applications in a professional working environment while making a positive contribution to the growth of an organization.

SKILLS

LANGUAGES: Python, Scala* learning, Pytest
WEB PROGRAMMING: HTML/CSS, Django, Flask
DATABASE: MYSQL, MongoDB, Postgres
AWS SERVICES: S3, Glue, Redshift, EMR, Kinesis, QuickSight
DATA ENGINEERING TOOLS: Hadoop, Kafka, Airflow, Hive

EXPERIENCE

Data Engineering Apprenticeship | Code Rush|Lalitpur, Nepal | August 2022 - May 2023

- Gaining hands-on experience on Data Engineering Tools and Technologies.
- Completed different projects related to python and data engineering including data analysis, data modeling, database design and data pipeline.
- 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.

  <u>**HIGHLIGHTED PROJECTS & COURSE:**</u>

  AWS Academy Data Engineering Course

  - Data Engineering Skills: Proficient in data engineering, including data collection, storage, preparation, and analysis for analytics and machine learning. Applied real-world use cases to build effective data pipelines.
  - AWS Cloud Proficiency: Experienced with Amazon Web Services (AWS) cloud tools like Athena, Glue, Redshift, EMR, Kinesis, and Step Functions for cloud-based data processing.
  - Practical Experience: Successfully completed hands-on projects in data querying, ETL (Extract, Transform, Load), and ETL pipeline building, translating theoretical knowledge into real-world applications.

  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.

Full Stack Developer | Lunar IT Solution | Itahari, Nepal | August 2021 - December 2021

- 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.

EDUCATION

Itahari International College, 2019-2022

BSc (Hons) Computing   Percentage: 76.5%

Sainik Awasiya Mahavidyalaya, 2017-2019

Science (Major Biology + Mathematics)   GPA: 3.32

PROJECTS

Automated E-Commerce Order Processing | Data Pipeline |Apache Airflow

Created an automated workflow for handling e-commerce orders, from order creation to shipment, integrating with key systems for efficient processing.

- Designed and implemented an automated workflow to streamline ecommerce order processing, optimizing efficiency and enhancing the customer experience.
- Managed the entire order lifecycle, from order creation to shipment, and integrated with key systems and services.
- Created an end-to-end solution, leveraging Apache Airflow for task scheduling and real-time monitoring. Resulted in a significant reduction in processing time.
- Established a notification system to provide customers with timely updates on their orders.

Stock Price Notifier | Web Application |Flask Web framework

Stock price notification web app using Flask framework, providing real-time alerts for selected stocks reaching user-defined price thresholds. Integrated the Yahoo Finance API for accurate market data. Users customize stock, threshold, and notification type.

- Leveraged the flask framework for robust web application development, enabling smooth integration of frontend and backend components. This choice enhances scalability and maintainability.
- Real-Time Alerts-Enables users to receive immediate notifications when stock prices meet predefined thresholds.
- Yahoo Finance Integration-Uses the Yahoo Finance API for accurate real-time stock data

Benford's Law Validator | Web Application |Pyramid Web framework

- 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.

Guardian | Web Application |Django Web framework

- 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.