Anish Shilpakar

I am a recent BE in Computer Engineering graduate, highly interested in a career in data engineering. I am a data and cloud enthusiast motivated to learn, grow and excel as a data engineer.

CONTACT
Phone: **+977 9861208287**
Email: **anishshilpakar8@gmail.com**
LinkedIn: **/anish-shilpakar13**
GitHub: **/JuJu2181**

EXPERIENCE

Code Rush, Lalitpur, Nepal — *Data Engineering Apprentice*

NOVEMBER 2022 - PRESENT

- Learned about various important concepts of Data engineering, AWS, Python
- Completed various data engineering projects like "Amazon web scraper and visualization", "stock price notifier", "ETL pipeline data warehouse", "Benford data analysis".
- Completed AWS Academy Data Engineering Course, worked on AWS labs, completed capstone data engineering project on AWS
- Completed various other courses related to Python, SQL, git, data engineering, data science, MongoDB, big data from Coursera and other platforms.
- Took soft skills training and improved communication, presentation skills.

The Sparks Foundation, Singapore, Remote — *Data Science and Business Analytics Intern*

JANUARY 2023 - FEBRUARY 2023

- Worked on various data science and data analysis projects

Fusemachines, Kathmandu, Nepal — *AI Fellow*

MARCH 2022 - APRIL 2023

- Learned about core concepts of machine learning, deep learning, computer vision, data science.
- Completed AI projects like "earthquake damage prediction system", "real time mask detection".

EDUCATION

Khwopa College of Engineering, Bhaktapur, Nepal — *Bachelor in Computer Engineering*

SEPTEMBER 2018 - APRIL 2023

Kanjirowa National Higher Secondary School, Kathmandu, Nepal — *Plus Two in Science*

AUGUST 2016 - MAY 2018

SKILLS

Technical Skills

Python with data science libraries, and ML/DL frameworks

AWS Cloud, Linux, Git, SQL, MongoDB, Apache Airflow, Knowledge of Hadoop ecosystem and big data tools

JavaScript with React and Node Framework

C, C++, PHP, Laravel, Flutter

Personal Skills

Languages: English, Nepali, Newari, Hindi

Content/Blog writing at AN!SH_WR!TES

Research and Documentation

ACTIVITIES

Served as class representative for 3 years in college

Participated in various hackathons with different teams.

Volunteered in Data Digitization project at college

3rd Runner-up in Nepal's first ever AWS Deep racer competition

3rd Runner-up in OpenIMIS DRG-Datathon

Member of AWS Emerging Talent Community and AWS User Group, Nepal.

Data Fellowship at Code for Nepal

Open Source Contributions in Hacktoberfest 2022 and 2023

Participated in Robotics competition at college

PROJECTS

AWS Data Engineering Capstone Project

Completed capstone project of AWS Academy data engineering course. This project included implementation of basic ETL workflow and data visualization using AWS Services.
Tools Used: Amazon S3, AWS Cloud9, AWS Glue, Amazon Athena, AWS QuickSight.

ETL Pipeline and Data Warehouse

Developed a complete ETL pipeline which extracted data from CSV files, transformed it to suitable form and finally loaded the dataset into a data warehouse. Here I implemented ETL pipeline and data warehouse using both PostgreSQL and AWS Cloud.
Tools Used: Python, PostgreSQL, Pandas, AWS Services (S3, Glue, Redshift)

Amazon Laptop Data Scraping and Visualization

Developed a system to scrape the laptop data from Amazon and then visualized the scraped data and generated an insights report.
Tools Used: Python, Scrapy, Pandas, Matplotlib, Seaborn.

Stock Price Notifier

Developed a system where a user can subscribe to stock by setting price threshold and frequency and get notifications via email or SMS when the stock price exceeds the set threshold.
Tools Used: Python, Flask, yfinance API, Twilio API, schedule library

Benford Data Analysis

Developed a system where a user can upload a dataset and get report with visualization whether the uploaded dataset follows Benford's law or not.
Tools Used: Python, Pyramid Framework, Pandas, Matplotlib, Seaborn.

Automatic Nepali Number Plate Recognition System

Developed a system to automatically detecting and recognizing Nepali number plates from vehicles as using algorithms like YOLO and CNN. Here data was collected manually, labelled and then processed.
Tools Used: Python, OpenCV, TensorFlow, Pandas

Automatic Nepali Speech Recognition and Summarizer System

Developed a system to generate Nepali transcript as well as summary from Nepali speech using algorithms like wav2vec2, PageRank, mT5. Data was taken from OpenSLR data repository and processed.
Tools Used: Python, OpenCV, TensorFlow, Pandas, Matplotlib.

CERTIFICATES

AWS Certified Cloud Practitioner – **AWS**

AWS Machine Learning Foundations – **AWS**

AWS Academy Cloud Foundations – **AWS**

Introduction to Data Engineering– **Coursera**

Introduction to Git and GitHub – **Coursera**

Data Science and Business Analytics Internship – **The Sparks Foundation**

Letter of Recommendation– **The Sparks Foundation**

Google Cloud Essentials – **Google Cloud**

Microdegree in Machine Learning – **Fusemachines**

MongoDB and Document Model – **MongoDB**

Data Science for Everyone – **DataCamp**

Intermediate SQL – **DataCamp**

Intermediate Python – **DataCamp**

TRAINING AND COURSES

Data Engineering Course from AWS Academy

Data Engineering, Data Science, SQL, Python courses from Coursera

Courses related to Big data, Hadoop, Airflow, Kafka, Cassandra from Great Learning Academy

Web Application Development with Laravel training from Genese Cloud Academy