

Skills

- SQL (SQL Server, MySQL, PostgreSQL)
- Python (Pandas, NumPy, SciPy, Matplotlib)
- Artificial Intelligence, Machine Learning
- Web Development (HTML, CSS, ReactJS, FastAPI, RestAPI)
- Microsoft Azure
- PySpark
- Excel, Tableau

Projects

POTATO LEAF DISEASE CLASSIFICATION – Machine Learning

- **Numpy** is utilized for **image processing** tasks such as resizing, normalization, and **feature extraction**.
- **Pandas** is employed for organizing and managing the dataset, ensuring efficient handling of data during training and testing phases.
- The **KNN algorithm** is implemented without using a machine learning framework to classify potato leaf images into different disease categories based on their features.

BANK LOAN REPORT – Data Analysis

- Utilized **SQL** from data validation to check the **accuracy** and **integrity** of bank loan data.
- Verified **data consistency**, completeness to predefined business rules.
- Created an interactive dashboard with **Tableau** for powerful visualization.
- Used **Calculated Field, Dynamic Parameters** to analyze bank loan data.

Work Experience

SOFTWARE ENGINEER – Javra Software Pvt. Ltd. – Lalitpur, Nepal

January 2023 - July 2023

- Implemented REST service, added new features, and supported python (FastAPI).
- Worked on data analysis of Internal Employee Data

JUNIOR SOFTWARE ENGINEER – Javra Software Pvt. Ltd. – Lalitpur, Nepal

February 2022 - December 2022

- Successful deployment of changes to production periodically.
- Implemented RESTful services, added new features, and supported Progress 4GL application.
- Nominated for Employee of the month in July 2022 for being dedicated to tasks.

INTERN – Javra Software Pvt. Ltd. – Lalitpur, Nepal

November 2021 - February 2022

- Worked alongside experienced web developers to assist in building and maintaining websites. This involved coding, debugging, and testing web applications and sites.
- Troubleshoot technical issues and find solutions to problems that appeared during the development process.

Education

MASTERS IN WEB AND DATA SCIENCE – Koblenz University – Koblenz, Germany

October 2023 - Running

Majors: Data Science, Machine Learning

BSC. COMPUTER SCIENCE AND INFORMATION TECHNOLOGY – Tribhuvan University – Nepal

2017 - 2021

Majors: Advance Database, Data warehouse and Data Mining, Artificial Intelligence