Jyoti Bhandari
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https://github.com/bhandarijyoti12/

SKILLS AND PROFILE:

Language: PL/SQL, Python, HTML, CSS, SQL, Advanced SQL, Oracle, WordPress, Android, git, Apache Airflow

Libraries: NumPy, SciPy, Scikit Learn, Matplotlib, Seaborn, Pandas, TensorFlow, PyTorch, Spark, WebScrpaing using BeautifulSoap

Machine Learning Algorithms: Linear Regression, Decision Tree Classifier, Random Forest Classification and Regression, Logistic Regression, Neural Network, KNN Classifier, and Regressor

Database Management System: RDBMS (Oracle, SQL Server, MySQL, MariaDB) and No-SQL (Cassandra, MongoDB)

Tools/Utilities: MicroStrategy, Oracle Data Integrator, SQL Server, SQL Tool, SQL Developer, Microsoft PowerBI, Tableau, SPSS, Jupyter Notebook, Microsoft Azure, AWS Cloud Platform, EC2, S3, Lambda, EMR Cluster, Jira, Confluence, Hadoop

Good command over Microsoft Office packages: Word, Excel, and PowerPoint

WORK EXPERIENCE:

University of New Haven

Learning Assistant   Aug 2022 – Current
- Assist Dr.Prof. Ardiana Sula to teach the course, Intro to Data Science
- Gained good experience in teaching concepts of Python pandas, NumPy, sci-kit learn, Flask, Web Scrapping, Linear Regression, and data science project pipeline from data acquisition, preprocessing, and model making to model deployment.

Cotiviti Nepal Pvt. Ltd   Hattisar, Kathmandu, Nepal
Trainee   Feb 2019 - May 2019
Cotiviti Nepal Pvt. Ltd   Hattisar, Kathmandu, Nepal
Software Engineer I   Jun 2019 - Nov 2021
- **Domain US HealthCare:** Worked on the system that gives risk-assessment services and decision analytics within the area of U.S healthcare that helps customers better understand and manage their risk.
- **SQL Tool and SQL Developer**: Developed PL/SQL programs to handle the cleaning, transforming, and modeling of data.
- **JIRA**: Achieved hands-on experience with JIRA; a powerful work management tool for all kinds of use cases, from requirements and test case management to agile software development.
- **Oracle Data Integrator**: Built, managed, and maintained data integration processes.
- **Python**: Mastered Python for an in-house project
- **MicroStrategy:** Gained expertise in making reports and visualization on MicroStrategy
- **Tableau:** Familiar with Tableau for the data visualization of an internal project.
- **Bitbucket**: Proficient in using the Git-based source code repository hosting service.
- **Excel and PowerPoint:** Proficient in using Excel for data analysis and PowerPoint for presentation
- Mentored new team members and trainee batch on PL/SQL and Communication Strategy.
- Acquired skills like Coordination, Critical Thinking, Monitoring, Social Perceptiveness, Active Learning, Leadership, and Championing Change

Lintend Pvt. Ltd.   Shantinagar, Kathmandu
Intern   Feb 2018 - May 2018
- **Android Studio**: Built android web and mobile apps using Java

Microsoft Nepal   Kathmandu, Nepal
Microsoft Student Partner   May 2016- May 2017
- Gained experience in Microsoft Azure, Visual Studio, IOT training
- Organized Hour of Code in different schools in Nepal

EDUCATION:

University of New Haven   West Haven, CT
Master of Science, Data Science; GPA: 4.00   January 2024
Kathmandu Engineering College, Tribhuvan University   Kalimati, Kathmandu, Nepal
Bachelor's in Computer Engineering; GPA: 4.00   September 2018

PROJECTS:
- **My Health**: My Health is an android health application that analyzes the data of patients from almost all the places of Nepal, and according to the location/address informs the users about the most probable disease that they are likely to suffer from and predicts the disease of users based on their symptoms. Health news and daily health tips are also embedded in this application. It also shows the nearby hospitals from the user's location. It is built in android and the backend is python. GitHub Link: https://github.com/bhandarijyoti12/MyHealth

- **Walmart Sales Data Analysis:** This project is done as the final project of the 1st-semester course Introduction to Data Science in our master's program. We have analyzed the data of Walmart stores to predict future sales based on the features Holiday Flag, Temperature, Fuel Price, Customer Price Index, Unemployment, Month, Day, and Store number given by users.
  Web app: https://sales-prediction-walmart.herokuapp.com/
  GitHub Link: https://github.com/bhandarijyoti12/WalmartSalesPrediction
- **Content Moderator**: Content Moderator is an AI project that detects abusive text, webpage, and audio and moderates it to some extent so that we can have a safe internet experience. GitHub Link: https://github.com/bhandarijyoti12/Content-Moderator
- **Data Science Job Hunt:** This is an interactive dashboard that allows you to analyze data science job opportunities in the US, predict salaries based on industry, company type, location, and skills, and predict employee retention at different companies based on various features. GitHub: https://github.com/Smart-Data-Genie/Data-Science-Job-Hunt
- **Chatbot Recommending Products Based on Visual Similarity:** This is a discord chatbot that recommends products from the Flipkart database based on visual similarity. A convolutional autoencoder model, K-means clustering, KNN algorithm, and VGG16 model have been used in this project. GitHub: https://github.com/bhandarijyoti12/Similar_image_Prediction_Using_CNN