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<https://github.com/darth-anish>



SUMMARY

- Over 2.5 years of experience in software development in data science and web application projects
- Dedicated, team player with a great communication and presentation skills seeking full time opportunities

KEY SKILLS

- Python
- SQL
- Machine Learning (Supervised, Unsupervised algorithms)
- Data Manipulation (Numpy, Pandas, Matplotlib, Scikit-Learn, Seaborn)
- Deep Learning (Neural networks, Convolutional Neural Network, Pytorch)
- Statistics
- Web Application Frameworks (Django)
- Git, Docker
- AWS (EC2, S3)

EXPERIENCE

Working Student (July 2023 - Current) - Smiths Detection, Nordestedt, Germany

- 3D images labeling
- Research and development in image segmentation

Software Engineer (Oct 2022 - Feb 2023)- Cotiviti Nepal Inc, Kathmandu, Nepal

- Built Data Ingestion pipelines using an in-house platform based on Apache Hadoop and Spark for US medical data. Transformation of raw source data to standardized format using SQL scripts. Worked as a team player software engineer with developers from several teams to carry a large project.

Skills: SQL, bash, Jira

Software Engineer (Oct 2020- June 2022)- GBT Technologies Pvt Ltd, Kathmandu, Nepal

- **Farm Incubation Management System**

Contribution: Built the entire application on Odoo 12. I designed and programmed the workflow of the entire application including tasks such as automation and notification. I designed relationships between different tables/modules using ORM and wrote raw SQL queries for some complex queries using Union and Joins.

Skills: Python, SQL, Docker, Git, OOP

- **Feature addition in Django based Web Application**

Contribution: Backend and Frontend features additions such as Email Sign-up and delivery, newsletters and blogs creation and delivery in a django based application.

Skills: Python, Docker, Git, SQL, HTML, CSS, Django

- **Python Web Application**

Contribution: Backend feature additions in multiple applications based on different frameworks.

Skills: Python, Django, Docker, Git, Flask, REST API

PROJECT

- **Readmission Prediction**

https://github.com/darth-anish/Readmission_Prediction

Objective: To predict the readmission of diabetic patients within 30 days of initial admission. Analyze the significant features for readmission.

Overview: It is a capstone project with a data set of hospitals in the USA. EDA, feature importance and clustering is done to create a patient profile for analysis and prediction is done using several machine learning models with RandomForest classifier as the winning model. A project report was also prepared for it.

Skills: Python, Pandas, Feature Engineering, ML, Clustering, Visualization

- **NYC Violence Visualization**

<https://github.com/darth-anish/NYC-violence-visualization>

Objective: The goal of this project is to provide a comprehensive understanding of the complex issue of violence in New York City. Data related to murders per 100 shootings in each borough, age and race distribution of perpetrators, shootings in each hour of the day, and months with the highest shootings are visualized with libraries such as Pandas, Matplotlib, Altair, Geopandas.

Skills: Python, Pandas, Data analysis, Visualization

- **Marketing Campaign Clustering**

<https://github.com/darth-anish/Marketing-Campaign-Clustering>

Objective: The objective is to do a complete clustering project ranging from exploratory data analysis to cluster interpretation. Among four clustering models, KMeans with PCA is the best one with two clusters. Silhouette coefficient score analysis is used for finding the best number of clusters. This project was done as a part of a portfolio exam at Fachhochschule Kiel, Kiel, Germany.

Key Skills: Python, Pandas, Clustering, Visualization, Data Preprocessing, ML

EDUCATION

Course	Institution	Year	Remarks
Master's in Data Science	Fachhochschule Kiel, Kiel, Germany	2023	1,2 (Running)
Post Graduate Program in Data Science and Engineering	Great Learning, Mumbai, India	2020	Excel

BE in Electrical and Electronics Engineering	Kathmandu University (School of Engineering), Dhulikhel, Nepal	2019	2,1 (3.22/4.0)
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OTHER ACHIEVEMENTS

- **“Comparative study of Face Mask Recognition using Deep Learning and Machine learning classifiers”,** International Conference on Innovative Computing, Intelligent Communication and Smart Electrical systems, 2021