

Training

GeeksForGeeks - Complete Machine Learning Data Science

June 2024 - July 2024

- Gained expertise in Supervised and Unsupervised Learning, Regression, and Clustering to derive business insights. Applied machine learning techniques using Python, Scikit-Learn, and Pandas for data-driven problem-solving. Designed and implemented an end-to-end predictive analytics solution with Jupyter and Streamlit, enhancing business intelligence capabilities. Developed interactive dashboards with Tableau and Seaborn to monitor key metrics, trends, and data patterns. Performed data preprocessing, feature selection, and model evaluation to improve data accuracy and analytical outcomes.

CipherSchools - Python Training

September 2022 - January 2023

- Strengthened algorithmic thinking by solving coding challenges and real-world problems. Worked extensively with file handling operations, including reading, writing, and manipulating structured data. Implemented data structures such as lists, tuples, dictionaries, stacks, and queues to optimize data processing. Developed a strong foundation in Python programming, covering object-oriented concepts, scripting, and advanced functionalities.

Projects

Predictive Analytics

November 2024

- Designed and implemented a predictive analytics framework to evaluate and compare KNN, Naive Bayes, and Decision Tree models for data-driven decision-making.
- Developed and fine-tuned machine learning models in R, enhancing predictive accuracy and business intelligence capabilities.
- Performed data mining and statistical analysis to uncover patterns, relationships, and key performance indicators (KPIs) for better business insights.
- Optimized model performance by fine-tuning hyperparameters, reducing classification errors and improving analytical precision.
- Evaluated model performance using accuracy, precision, and recall metrics, ensuring the selection of the most effective predictive approach.

Amazon Prime Data Analysis & Visualization

November 2024

- Conducted an in-depth analysis of Amazon Prime data to uncover content trends, user engagement, and market insights.
- Designed interactive dashboards using Tableau, visualizing viewership patterns, genre distribution, and regional popularity.
- Performed data cleaning and preprocessing, ensuring data accuracy, consistency, and reliability for meaningful insights.
- Analyzed key performance metrics (KPIs) such as watch time, user ratings, and subscription trends to support data-driven decision-making.
- Identified content performance trends to provide recommendations for content optimization and business growth strategies.

Certificates

GeeksForGeeks - Complete Machine Learning & Data Science

June 2024-July 2024

Gained expertise in supervised and unsupervised learning, regression, and classification, applying predictive analytics and data-driven decision-making for business insights.

Coursera - Supervised Machine Learning: Regression and Classification

November 2024 -
September 2024

Developed and optimized regression and classification models, leveraging data preprocessing, feature engineering, and model evaluation to enhance predictive accuracy.

Technical Skills

- **Languages** C++, Java, Python, R, SQL
- **Technologies/Frameworks**: Pandas, NumPy, Tableau, Power BI, Excel, MySQL, Git, GitHub, Ubuntu
- **Skills**: Data Structures and Algorithms, Problem-Solving, Project Management, Problem-Solving Abilities

Education

Lovely Professional University

Bachelor of Technology - Computer Science and Engineering; CGPA: 7.68

Punjab, India
Since October 2022

Amrita Vidyalayam

12th with science; Percentage: 92.2%
10th with science; Percentage: 88.8%

Kerala, India
2020-2021
2018-2019