

Dhruv Jain

Data scientist

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Experience

Memorial Sloan Kettering Cancer Center May 2023 - Aug. 2023
Data Scientist New York, NY

- Automated data collection using RStudio and integrated APIs, increasing data accessibility by 8% and saving the team 30% of their time by organizing 1TB of data.
- Boosted data integrity by 12% through proficient cleaning of complex formats (.bigwig, .gz). Achieved 84% analysis accuracy with Lasso regression and precise data merging, enhancing analytical accuracy.

American University Jan. 2022 - May. 2023
Research machine learning Washington, DC

- Increased the client's portfolio by \$23,000 by managing a development team and constructing Jupyter Notebook projects for professors, resulting in a \$12,000 gain from an initial \$150,000 investment.
- Reduced portfolio volatility and improved outcomes by 8% using XGBOOST and real-time market data harvesting, enhancing prediction accuracy by 12% . Proficiency in Python and expertise in Keras, TensorFlow, and Scikit-learn enabled the development of advanced analytical solutions for stock market analysis.
- Promoted diversity and inclusion in data science education by compiling topics that reflect diverse experiences into a repository, leading to more comprehensive and relevant curriculum content .

Motilal Oswal finance Jul. 2020 – Jul. 2022
Data Scientist India

- Improved internal business processes by 15% by supporting, analyzing, evaluating, and developing reporting for workflow enhancements using ServiceNow Performance Analytics, leading to workforce optimization and better operational efficiency. Completed over 100 analytics requests for reports and dashboards with a customer-centric approach, increasing customer satisfaction by 20%.
- Enhanced data management by querying SQL databases and importing .csv files into Excel for enterprise customers, improving ETL processes by 25%, resulting in faster and more accurate data analysis. Supported the President for IT Business Services in Annual Financial Planning and client management, achieving a 10% increase in budget accuracy.
- Demonstrated lifecycle management skills in handling over 50 individual stock data projects effectively , ensuring timely and accurate project completion. Explored generative AI and prompt engineering for structured data extraction from unstructured sources like newspapers, improving data extraction efficiency by 30%.

Projects

Natural language process
Translation form French to English in python

Hyperparameter tuning
Machine learning in python

CIFAR 100 dataset
ResNet, VGG16 and CNN, YOLO model comparison

Advance statistics
Airbnb dataset and its variable section method

Visualization
Global power plant in R

Shiny app
World satellite dataset

Web scraping
world university's data view

Profiles

dhruv-jain

dhruvjain1999

Skills

Python R / R -studio
●●●●● ●●●●●

Tableau SQL
●●●●○ ●●●○○

Stata
●●●○○

Education

American Univeristy
Data science
3.9/4
M.S.

- Relevant Coursework: Computer vision, big data computing, Introduction to Data Mining, Statistical Programming In R, statistical Methods, Data Science, Applied Natural Lang Processing, Statistical machine learning, big data computing.
- Dean's List

Ahmedabad university
Engineering
3.2/4
B.Tech

Certifications

Machine learning
AWS
2021

Awards

Engagement and community building Award
Department of mathematics and statistics, American university
March 2024

Merit Award
Data Science, School of Public Affairs, American University
Aug. 2022 - May 2024

Volunteering

American statistical association
Data science
Vice president , Washington, Dc
Aug. 2022 – May 2024

Languages

German Hindi
●○○○○ ●●●○○

Gujarati
●●●○○