

DISHA YADAV

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Work Experience

Research Assistant—Drexel University

Oct 2023 – Dec 2023

Application Developer Intern

Philidelphia, USA

- Implemented FastAPI-based demos for machine learning concepts, driving a substantial 40% boost in user engagement and comprehension, leading to enhanced adoption and retention rates.
- Innovated an automated data visualization system, improving analysis productivity by 35% and delivering intelligent column chart advice for assorted datasets.

Research Assistant—Drexel University

Jul 2023 – Sep 2023

Data Scientist Intern

Philidelphia, USA

- Conducted thorough time series analysis on various medical data, enhancing lab research effectiveness and increasing the accuracy of medical findings by 30%.
- Applied Principal Component Analysis (PCA) and Independent Component Analysis (ICA) to identify vital neural patterns, thereby enhancing the accuracy of complex neural dataset analysis by 30%.
- Employed Machine Learning models, statistical analyses, and visualizations, , increasing data-driven decisions by 30% , enhancing medical research in the lab

Accenture Services Pvt Ltd

Dec 2021 – Aug 2022

Data Engineering Analyst

Mumbai, India

- Designed PySpark ETL scripts for a seamless data migration from Azure to GCP , achieving a 20-hour weekly time reduction
- Utilized Databricks to automate ETL workflows, optimizing CRM processes and achieving a 20% increase in data processing efficiency
- Established Databricks clusters for streamlined data processing, while generating Tableau and BI reports,boosting data-driven decisions by 50% in the organization

Accenture Services Pvt Ltd

Sep 2019 – Dec 2021

Application Development Analyst

Mumbai, India

- Mastered Alteryx to streamline data workflows, delivering a notable 30% reduction in processing time, and elevating data quality through comprehensive data preprocessing techniques
- Implemented Hive ETL scripts to load data into Microsoft Azure, achieving a remarkable 40% reduction in data errors and a notable 50% enhancement in loading speed
- Automated ETL with Apache Oozie, saving 20 hours weekly, and improved report generation with Tableau and Power BI, boosting data-driven decisions by 25%.and Collaboratively established key KPIs with cross-functional teams

Projects

Loan Approval Prediction Model | (Python,Pandas,Matplot,Sklearn)

Oct 2023

- Conducted a in depth Exploratory Data Analysis (EDA) on a Kaggle loan dataset, addressing outliers and missing values
- Subsequently, developed an Support Vector Machine(SVM)-based loan prediction model, achieving an impressive accuracy of 83% through strategic feature engineering and optimization

COVID-19 Data Analysis and Prediction | (Python, Airflow, GCP)

Aug 2023

- Implemented an automated ETL pipeline leveraging Apache Airflow to efficiently process and load COVID-19 data, resulting in a notable 40% improvement in both efficiency and accuracy of data analysis
- Trained machine learning models on the processed data, generating valuable insights and predictions with an 85% accuracy rate for COVID-19 trends and patterns

E-Healthcare-Desktop Application and predictor | (Python,Pandas, Matplotlib, Visual Basic)

Nov 2019

- Enhanced the desktop application for a remote hospital with features to manage the hospital's data
- Improved an disease prediction system that provided over 200 victorious predictions

Education

Drexel University (GPA: 3.7/4.0)

Aug 2022 – Jun 2024

Master of Science in Computer Science

PA, USA

Relevant coursework: Artificial Intelligence, Data Structures Algorithms, Software Design, Computer Vision , Fundamentals of Databases, Applied Database Technologies, Quantitative Foundations, Data Analysis Interpretation

Technical Skills

Programming Languages: Python,Java,R,MATLAB, C,C++,SQL,HiveQL HTML/CSS, JavaScript
Cloud Platforms/Databases: Snowflake, Google Cloud Platform (GCP),Microsoft Azure, Google Big Query, PostgreSQL,MySQL,MongoDB
Technologies/Frameworks:WordPress, Laravel,Bootstrap, Scikit Learn, Advanced Excel,Statistics,GitHub,Putty
Data Engineering:Alteryx,Talend,Airflow,Power BI,Tableau
Operating System: Window, Linux,Ubuntu

Achievements and Certifications

- Awarded Accenture's "Employee of the Year" for exceptional performance in software development and analytics(2021)
- Certified in Tableau, Advanced Microsoft Power BI, and Alteryx, showcasing expertise in Data Visualization, Analytics and Reporting(2020)
- Published research paper on "Effective Hospital Management System" in IRJET(2019)
- Completed Infosys Campus Connect in Software Development, Database Design, and Machine Learning(2018)