

# DISHA YADAV

☎ 267-530-9595 ✉ dcy26@drexel.edu 🔗 [linkedin.com/in/disha-yadav](https://www.linkedin.com/in/disha-yadav) 🐙 [github.com/yadavdisha](https://github.com/yadavdisha)

## 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

## Work Experience

**Research Assistant—Drexel University**

**Oct 2023 – Dec 2023**

*Application Developer Intern*

*Philidelphia, USA*

- Designed and implemented interactive machine learning demos, significantly increasing user engagement and understanding, leveraging FastAPI
- Developed an automatic data visualization tool, enhancing analysis efficiency by 35% and providing intelligent column chart recommendations for diverse datasets.

**Research Assistant—Drexel University**

**Jul 2023 – Sep 2023**

*Data Scientist Intern*

*Philidelphia, USA*

- Conducted in-depth time series analysis on diverse medical data, furthering medical research within the lab
- Applied Principal Component Analysis (PCA) and Independent Component Analysis (ICA) techniques to unveil critical neural patterns, significantly advancing our understanding of complex neural datasets
- 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 Integration Specialist*

*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
- Designed 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
- Automated an disease prediction system that provided over 200 victorious predictions

## 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)