Disha Yadav

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EDUCATION

Master of Science in Computer Science   **August 2024**
Drexel University

EXPERIENCE

Software Engineering Analyst   **Dec 2021 – Aug 2022**
Accenture Services Pvt Ltd, Mumbai

- Led sessions with stakeholders to optimize process control and implement cloud services, resulting in the revamp of the architecture and an 80% increase in speed and power.
- **Improved project efficiency by 50% through** live data migration from Azure to Google Cloud Platform and provided cost-effective recommendations resulting in a 25% increase in company performance and tripled profits.
- **Optimized ETL pipelines** using Alteryx, Databricks, and Hive, resulting in a 30% improvement in data processing time, 20% reduction in data warehouse load, and 40% reduction in data processing costs by utilizing self-operating HiveQL scripts and mapping techniques.
- Implemented data quality KPIs, resulting in a 15% improvement in accuracy and 20% reduction in inconsistencies. Conducted code reviews and performance tuning, leading to a 20% increase in ETL efficiency and 50% decrease in errors.

Application Development Associate   **Sep 2019 – Dec 2021**
Accenture Services Pvt Ltd, Mumbai

- **Automated data workflows** with Oozie, resulting in significant time savings, **improved data accuracy by 15%**, and reduced downtime.
- Utilized SQL Server Management Studio (SSMS) and PostgreSQL to design and implement robust data warehousing solutions, encompassing meticulous **data modeling**. Achieved enhanced **data integrity**, optimized data retrieval, and improved efficiency in data processing.
- Designed interactive dashboards using Tableau, Power BI, and R, empowering stakeholders with actionable insights and driving a 20% increase in data-driven decision-making and overall business performance.

Full Stack Web Developer (Intern)   **Dec 2017- Mar 2018**
Smart Smith InfoTech, Mumbai

- Developed a **Laravel-based website** with MVC architecture, resulting in a 50% improvement in project efficiency and facilitating easy user navigation, which increased customer satisfaction.
- Led a team of 10 members in developing a web application, resulting in 7K+ downloads. Enhanced project productivity by 20% through the implementation of an automated script for monthly report creation.

PROJECTS

COVID-19 Data Analysis and Prediction

- 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

- Revamped and expanded a desktop application for a remote hospital, introducing advanced data management features and **streamlining administrative tasks**, resulting in a 30% increase in operational efficiency.
- Led the development of a cutting-edge disease prediction system, achieving a remarkable track record of over 200 successful predictions and revolutionizing healthcare practices, leading to a **40% improvement in accuracy.**

E-Accounting-Web Based Accounting Software for MNC

- Constructed a web-based application on Laravel framework enabling interoperability with over 20 Indian & foreign systems, leading to a 70% increase in efficiency.
- **Leveraged agile methodology** for a 2-month, $50K product delivery. Implemented cost-effective automated maintenance, reducing expenses by 40% and enabling global expansion into 200+ markets.

SKILLS

- **Languages:**   Python, R, SQL, HiveQL, Java, JavaScript, HTML/CSS
- **Framework and Libraries:**   Laravel, Bootstrap, NumPy, Pandas, Matplotlib, Scikit-learn.
- **OS and Database Technology:** Linux, MySQL, MongoDB, PostgreSQL
- **Cloud:**   Azure Storage Explorer, Google Cloud Platform
- **Tools and Software:**   Tableau, Power BI, R Studio, ETL pipeline, Alteryx, Oozie, Databricks, Anaconda, Jupiter Notebook, Advanced Excel, Visual Studio, Git, GitHub Actions, Putty, FileZilla, Apache Spark, Apache Airflow and SQL Server Management Studio (SSMS)
- **Concept:**   Data Structures & Algorithms, Database Design, Data Analysis, Query Optimization, Data Visualization, Data Modeling

ACHIEVEMENTS & CERTIFICATIONS

- Secured "Employee of the Year" recognition from Accenture for demonstrating excellence in software development and analytics.
- Published a research paper | International Research Journal of Innovations in Engineering & Technology (IRJET'19): Effective Hospital Management System
- Completed Infosys Campus Connect 2018 in Software Development, Database Design, and Machine Learning
- Certified in Tableau (98% passing score), Advanced Microsoft Power BI, and Alteryx, demonstrating expertise in Data Visualization, Data Analytics, ETL, and Reporting.