

VYSHNAVI K

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EDUCATION

Florida International University, Miami, United States

Aug 2022 – Dec 2023

Masters in Computer Science (Courses: Database Management System, Data Mining, Data Visualization)

(CGPA – 3.63)

MLR Institute of Technology, Hyderabad, India

Aug 2017 – Aug 2021

BTECH in Information Technology (Courses: Python, Data Warehousing, Cloud Computing (AWS), Machine Learning) (CGPA – 3.30)

KEY SKILLS

Programming Languages: Java, R, Python, HTML5, CSS3, JavaScript

Database Servers/ Cloud Technologies: My SQL, PostgreSQL, MongoDB, AWS, Azure

Visualization Tools: Qlik Sense, PowerBI, Tableau, Informatica Power Center, Apache Kafka, Power Apps, Microsoft Office 365

Machine Learning Techniques: LDA, Random Forest, Logistic Regression, Naïve Bayes, Scikit, Seaborn, Tesseract, Pandas, etc.

WORK EXPERIENCE

Fiona Solutions, Data Analyst

Feb 2024 – Present

- Analyzed customer browsing and purchasing behavior using **Python and MongoDB**, leading to personalized product recommendations that increased average order value by 18%.
- Created dynamic **Tableau** dashboards to visualize operational metrics (cart abandonment, most viewed products), enabling data-driven decisions that boosted overall sales by 12%.
- Utilized advanced **Excel** functions and macros to streamline financial forecasting processes, increasing accuracy by 18%.
- Designed and maintained ETL pipelines using **Apache Kafka**, ensuring seamless integration of data from multiple sources (web, mobile, CRM) for comprehensive analysis.
- Collaborated with business teams to analyze customer behavior and optimize pricing strategies, gave 25% spike in sales.

Suvarna TechnoSoft, Data Analyst

Jun 2019 – Jul 2022

- Analyzed HMIS patient's billing records, and insurance data using **Python**, which involved all phases of data mining.
- Initiated ETL pipelines using **Informatica Power Center**, resulting in 25% reduction in data processing time.
- Streamlined data storage, processing and retrieval capabilities using **AWS**, which improved scalability by 50% which boosts efficiency for data analytics workflows, effective management of a huge insurance datasets.
- Created dynamic dashboards on patient demographics, revenue trends, and insurance claims using **Power BI**.
- Developed pivot tables using **Excel** to efficiently analyze and summarize large datasets, enabling insightful reporting from patient payment data analysis.
- Optimized **PostgreSQL** queries to extract, streamline data manipulations, and analyze data from large datasets, enabling the generation of **ad hoc reports** and identification of trends.
- Implemented risk mitigation strategies, collaborated with cross-functional teams to integrate data analysis into business processes, communicating findings using **PowerPoint**, to ensure data integrity, and informed decision-making.

PERSONAL PROJECTS

Student Performance Analysis in MOOC's

- Developed a desktop application using Machine Learning, Python, HTML, CSS3 which could be utilized in different online learning portals to enhance student learning efficiency.
- Predicts student performance using multiple algorithms such as Random Forest, linear discriminant analysis and depending on the student's previous results and selects the best efficient score.

ElectraInsight: Data Analytics for Electric Vehicles (EV)

- Designed an insightful **Power BI** dashboard visualizing the growth of EV adoption, featuring quick action filters, dynamic parameters, and real-time data, enabling efficient comparisons which resulted 78% of battery electric vehicles (BEV) usage.

License Plate Recognition

- Developed a desktop application using Image Processing Technology and Python that is used in various security and traffic applications to identify vehicles by their license plates.
- Helps to extract license plates from vehicle images using Python, Tensor Flow, and Keras image processing methods, and retrieves the license number from the extracted license plate.

CERTIFICATIONS

- Microsoft Certified:** Azure Fundamentals and Data Fundamentals
- Udemy:** Python Certified