# VYSHNAVI K

Maimi, FL | (305) 427 1701 | kvysh002@gmail.com | LinkedIn | GitHub | Portfolio

## EDUCATION

**Florida International University, Miami, United States**                          *Aug 2022 – Dec 2023*
*Master's 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 Developer Associate
- **Microsoft Certified:** Azure Fundamentals and Data Fundamentals
- **Udemy:** Python Certified