

RAMYA HARIKA DADI

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SUMMARY

Experienced Data Analyst with expertise in designing and implementing innovative data solutions that drive actionable business insights. Proven ability in analytical thinking, problem-solving, and initiative, delivering data-driven solutions for optimized performance. Creative in utilizing tools like Power BI and Tableau to develop dynamic data visualizations that support strategic decision-making. Demonstrated leadership and cross-functional collaboration in complex projects, while maintaining a commitment to continuous learning and technical excellence in data management, visualization, and statistical analysis.

EDUCATION

University of Cincinnati, Cincinnati, Ohio

December 2024

Master of Science - Information Technology

• Neighborhood Operations Assistant – UC Housing

March 2024 – Present

Vel Tech Dr. RR & Dr. SR University – Chennai, India

July 2022

Bachelor of Technology - Computer Science & Engineering

PROFESSIONAL EXPERIENCE

Data Analyst - PricewaterhouseCoopers, Bangalore, India

August 2022 - July 2023

- Orchestrated redesign of data architectures to increase ETL processes, leading a team to achieve a 30% improvement in data processing speed and a 20% reduction in storage costs, optimizing data management and operational efficiency.
- Enhanced data pipelines through SQL performance tuning and batch processing techniques, resulting in a 40% reduction in processing time and enabling quicker data-driven insights for strategic decision-making.
- Coordinated with cross-functional teams on 15 data-centric projects, aligning deliverables with KPIs (Key Performance Indicators) and organizational goals, and maintained a 95% client satisfaction rate.
- Designed and developed Power BI dashboards from scratch, resulting in a 35% improvement in data reporting accuracy and a 20% reduction in analysis time. Took initiative to explore new features and techniques to enhance reporting capabilities.

Data analyst Intern - PricewaterhouseCoopers – Bangalore, India

March 2022 - August 2022

- Led data cleaning initiatives for 10 datasets, resulting in a 30% reduction in data processing time and boosting overall data accuracy by 25%, restructuring the quality of data used for analysis.
- Completed 50 hours of formal training programs in data analysis, achieving a 20% increase in proficiency with Python and SQL, as demonstrated through coding assessments and peer evaluations.
- Chaired 15+ team meetings and presentations, contributing to the delivery of 5 data-driven projects. Fostered a collaborative team dynamic and earned a commendation for clear, concise communication.

PROJECTS

Airbnb Data Analysis

- Examined Airbnb listings to uncover insights into host activity, pricing trends, and guest reviews, and succeeded with 90% accuracy helping hosts revamp strategies and guests make better booking decisions.
- Provided market insights and revised guest satisfaction by 20%, empowering hosts to make more informed booking choices based on neighborhood characteristics.

Medical Data Extraction

- Developed a Python-based application for obtaining organized data from scanned medical documents using PyTesseract for OCR and OpenCV for image preprocessing to improve text recognition accuracy.
- Utilized OpenCV and PyTesseract for Optical Character Recognition (OCR) to derive information from medical reports and achieved a 30% improvement in accuracy by accelerated preprocessing techniques for better OCR output.
- Assessed regular expressions (regex) to parse and arrange the extracted text into meaningful data about patients such as patient ID, age, diagnosis, and medication.

Online E-learning Platform using Microsoft Azure

- Implemented user tracking mechanisms to study user engagement, resulting in a 20% increase in average session duration and a 15% decrease in bounce rate, indicating refined user satisfaction and interaction with the platform.
- Utilized Azure's auto-scaling features to dynamically allocate resources based on demand and secured a 30% reduction in server response time during peak usage hours, ensuring seamless user experience and minimal downtime.

TECHNICAL SKILLS

C | C++ | Linux | Python | MySQL | MS office | Excel | Power BI | Power Automate | Tableau | R Programming | ETL | Microsoft Azure | Data Analysis | Data Factory | Data Modeling | Data Management | Docker | Tibco Spotfire | Windows | Git | GitHub | GitLab | GCP | Google Big Query | HTML | CSS | AWS | Matplotlib | PyTorch | Scala | Scikit-learn | Seaborn | Snowflake | Apache Airflow | Apache Flink | Apache Hadoop | Apache Kafka | Apache NiFi | Apache Spark | MongoDB | Oracle | ERwin Data Modeler | Hadoop YARN | IBM Infosphere Data Architect | Informatica Data Quality Kubernetes | PostgreSQL

CERTIFICATIONS

Google Data Analytics Professional Certificate | PCAP: Programming Essentials in Python