ABIRAMI V

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Fresher

PROFILE SUMMARY

MCA Graduate from the University of Madras with expertise in software development, data science, and analytics. Proficient in Python, Java, JavaScript, SQL, Machine Learning, and Tableau.Skilled in Development,Data Analysis,Data cleaning, Visualization, Predictive modeling, and extracting actionable insights.Passionate about applying technical skills and internship experience to drive innovative, data-driven solutions in a dynamic organization.

INTERNSHIP

Naso Technologies
Vision Based Tennis Analytics
90 Days

-Implemented real-time tennis video analytics at Naso Technologies using computer vision and YOLO object detection.
-Performed video data preprocessing and annotation, optimized model performance, handled motion blur and fast-moving objects, and applied keypoint detection for court boundary recognition, improving detection accuracy.
-Gained hands-on experience in model training, debugging, and scalable AI solution development.

Monolith Technologies
Dashboards for Monolith
31 Days

-Cleaned and transformed complex business datasets through data preprocessing and validation, improving data accuracy and reliability.
-Performed Exploratory Data Analysis (EDA) to extract actionable insights and support data-driven decision-making.
-Developed interactive Tableau dashboards for stakeholder reporting and business intelligence, enhancing data visualization and accessibility.

EDUCATION

MCA - Computer Application
2025
University of Madras
Grade - 78%

B.Sc - Bachelor of Science - Computer Science and Technology
2023
Dr MGR Janaki College of Arts and Science for Women
Grade - 87%

KEY SKILLS

Problem Solving Skills | Python | SQL | Machine Learning | Data Analysis | Analytical Skills | Tableau | Data Visualization | Excel | Power BI | Java | Github | Data Cleaning | Exploratory Data Analysis | Model evaluation | Computer Vision | Reports and Dashboards | Data Annotation | Data Manipulation

CERTIFICATION

- INTRODUCTION TO DATA ANALYSIS
- EXCEL FOR DATA ANALYSIS
- DATA VISUALISATION AND DASHBOARDS WITH EXCEL AND COGNOS

PROJECTS

Olympic Data Analysis and Prediction
91 Days

- Performed comprehensive end-to-end analysis of historical Olympic data, encompassing data cleaning, visualization, and event-wise medal distribution assessment.
- Analyzed correlations between GDP, population, and medal counts to identify key performance drivers.
- Developed and evaluated predictive models using Logistic Regression and Random Forest, selecting Random Forest based on superior accuracy metrics (e.g., 85%+ accuracy).
- Deployed the final predictive model as an interactive Streamlit application, enabling real-time medal prediction and dynamic insights visualization.

LANGUAGES

English

SOCIAL LINKS

https://abirami-venkatesan-portfolio.netlify.app/