Priyadharshini R

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🔗 [GitHub](#) | 🔗 [LinkedIn](#)

CAREER OBJECTIVE

Motivated and detail-oriented Data Analyst with a strong academic background and real-world experience in analytics, training, and project delivery. Seeking to apply my data science skills to solve complex business problems and contribute to the success of a forward-thinking organization.

PROFESSIONAL SUMMARY

Results-driven Data Analyst with hands-on experience in machine learning, data visualization, and analytics consulting. Skilled in Python, SQL, Tableau, Excel and Photoshop for creative data presentation with a proven track record of transforming raw data into business insights. Proficient in mentoring students in technology and collaborating with clients on freelance data projects. Experienced in hospitality, HR, and aviation domains with a passion for continuous learning and innovation.

AREAS OF EXPERTISE

- Hospitality Analytics
- HR Analytics
- Aviation Safety
- Data Cleaning & Preparation
- Predictive Modeling
- EDA & Data Visualization
- Dashboard Reporting
- Client Collaboration

TECHNICAL SKILLS

- ➤ **Programming:** Python, Java, C, C++
- ➤ **Machine Learning:** Regression, Classification, Clustering, Model Evaluation, Feature Engineering
- ➤ **Statistics:** Descriptive & Inferential Analysis, Hypothesis Testing, Correlation
- ➤ **Databases:** SQL, MySQL
- ➤ **Visualization & BI:** Tableau, Power BI, Excel, Photoshop
- ➤ **Libraries & Tools:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn
- ➤ **Platforms:** Jupyter Notebook, Google Colab, GitHub, VS Code
- ➤ **Web Technologies:** HTML, CSS, JavaScript

PROFESSIONAL EXPERIENCE

IT Trainer | CAD POINT, Cuddalore
April 2024 – Present

- Designed and delivered comprehensive training programs in Python, Java, and SQL for students and fresh graduates.
- Created custom course content, assignments, and project-based modules to align with industry needs.
- Mentored students on real-world capstone projects involving data cleaning, EDA, and machine learning modeling.
- Taught best practices in modular coding, debugging, and Git version control using tools like VS Code and Jupyter Notebook.
- Conducted mock technical interviews, coding assessments, and provided personalized career guidance to improve placement readiness.
- Managed student performance through progress tracking systems and offered one-on-one mentorship.
- Organized mini hackathons and hands-on workshops on data science and web development basics.
- Trained students on resume building, LinkedIn optimization, and professional communication.

FREELANCE PROJECTS

Loan Dataset Analysis
Client: Independent Data Consulting Project
Tools: Python, Pandas, MySQL, Scikit-learn, Tableau, Statistics

- Conducted exploratory data analysis (EDA) and feature engineering to identify key factors influencing loan defaults.
- Built and evaluated classification models to predict repayment probability.
- Created Tableau dashboards to visualize loan trends, repayment patterns, and customer profiles for strategic decision-making.

Hotel Booking Analytics
Client: Independent Hotel Owner
Tools: Python Pandas, Excel, Seaborn, Tableau

- Analyzed booking and cancellation patterns to identify customer behavior trends.
- Cleaned and processed historical data to uncover booking lead times and seasonal spikes.
- Delivered actionable insights through visualizations and Excel dashboards to optimize pricing strategy.

Bird Strike Risk Analysis
Client: Aviation Research Use Case
Tools: Tableau, Excel, and Python

- Mapped 10+ years of bird strike data to identify location and seasonal patterns.
- Created dashboards for time-based and species-based filtering.
- Provided safety recommendations used in academic research presentations.

Employee Engagement Prediction
Client: HR Analytics Consultant
Tools: Python, Scikit-learn, Pandas, Tableau

- Built classification models to predict engagement based on HR data.
- Conducted EDA and feature engineering, achieving 82% accuracy.
- Delivered summary reports with key drivers of employee engagement.

CERTIFICATIONS & ACADEMIC PROJECTS

NIIT – Data Science & Machine Learning Advanced Program (Oct 2024 – May 2025)

Capstone Project: Airbnb Home Rental Analysis
Tools: Python, SQL, Tableau, Excel, Machine Learning

- Analyzed 68,000+ listings across France, Germany, Belgium, and Seattle.
- Built models for price prediction, customer segmentation, and cancellation risk.
- Created Tableau dashboards to uncover trends in guest reviews, pricing, and booking behavior.

Other Certifications:

- ✓ Java Programming – CAD POINT
- ✓ Certified in Block Chain Technology, Ethical Hacking, Cisco CCNA
- ✓ Presented papers on Mobile Computing, Data Science & ML at national seminars
- ✓ Silver Medal for promoting education in rural villages through Literature Club

EDUCATION

- **M.Sc. Computer Science** – Annamalai University, 2023 – 91.8%
- **B.Sc. Computer Science** – Thiruvalluvar University, 2021 – 87%

PROFESSIONAL TRAITS

- Strong communication and mentoring skills
- Self-motivated with a proactive learning attitude
- Collaborative and team-focused
- Quick to adapt and solution-oriented

LANGUAGES KNOWN

- ➤ English (Fluent)
- ➤ Tamil (Native)
- ➤ Telugu (Speak only)

Declaration

I hereby declare that the information provided above is true to the best of my knowledge.