

# HARIPRIYA R

## DATA ANALYST | FRESHER

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## SUMMARY

**Detail-oriented Junior Data Analyst** skilled in data processing, validation, and quality assurance. Proficient in **Excel, SQL, Python, Power BI, and Tableau**, with experience in cleansing and verifying large datasets for accurate reporting. Strong analytical thinking and process-optimization mindset, committed to delivering reliable and high-quality data outputs.

## EXPERIENCE

### Data Analyst Intern

**ICF IT Centre, Chennai** 📅 08/05/2025-07/06/2025

- Engineered 40 reports analyzing employee attendance data to identify patterns and enhance workforce efficiency..
- Executed analysis using Excel (Pivot Tables), Power BI, and Looker Studio to deliver actionable insights.
- Designed and showcased interactive dashboards to monitor compliance and support data-driven decision-making.

## CERTIFICATION

### • **Data Analytics using Excel - Anna Adarsh College For Women:**

**For Women:** Hands-on skills in data cleaning, analysis, visualization, pivot tables and formula-based insights.

### • **Introduction to Machine Learning (Elite) - NPTEL - IITM (12 Weeks):**

Strong grounding in supervised/unsupervised learning, classification, regression, model evaluation, and algorithmic intuition.

### • **Basics of Python - Naan Mudhalvan:**

Fundamentals of Python, data types, loops, and basic programming concepts.

### • **OOPs Using Python - Naan Mudhalvan:**

Object-oriented programming concepts learned that include classes, objects, inheritance, and polymorphism.

### • **Introduction to Agile Methodology - Naan**

**Mudhalvan:** Understanding Agile principles, Scrum framework, and iterative project management.

### • **Generative AI with Cloud - IBM SkillCloud:**

Knowledge of generative AI, cloud integration, and AI-powered applications.

## EDUCATION

**B.Sc. Computer Science with Data Science | Anna Adarsh College for Women, Chennai**

2023 – 2026 | Percentage: 80.68%

**CBSE (12th) | SKNS PMC Vivekananda Vidyalaya Junior College, Chennai**

2022 – 2023 | Percentage: 75%

**CBSE (10th) | Smt Durgadevi Choudhary Vivekananda Vidyalaya, Chennai**

2020 – 2021 | Percentage: 91%

## TECHNICAL SKILLS

- Data Analytics & Visualization:** Power BI, Tableau, Google Looker Studio, MS Excel
- Data Science Tools:** Python (NumPy, Pandas, Matplotlib, Seaborn), R Programming
- Database Management:** SQL
- Web Technologies:** HTML, CSS
- Office & Design Tools:** MS Word, MS PowerPoint, Canva.

## STRENGTHS

- Analytical Thinking
- Problem Solving
- Technical Proficiency
- Communication
- Teamwork & Collaboration
- Quick Learner & Adaptable
- Leadership

# KEY ACHIEVEMENTS

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- **Centum in Statistics-I.**
- **1st Place: IoT-Based Irrigation System, Anna Adarsh College for Women** – Developed a smart irrigation system integrating ESP32, soil sensors, and automated pump management via Blynk IoT.
- **3rd Place: DataOps Drill, MOP Vaishnav College for Women** – Demonstrated and increased the analytical and visualization skills using Power BI.
- Regular participant in **Hackathons**.

# PROJECTS

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## 1. End-to-End Data Analytics Pipeline

- Built full analytics pipeline: Data scraping → Cleaning → EDA → Visualization → NLP sentiment analysis.
- Used Python libraries: Requests, Pandas, Matplotlib, Seaborn, NLTK.
- Delivered insights: Sector efficiency, Outlier detection (Vitol), >48% positive sentiment.

## 2. Financial Health Dashboard – Power BI

- Designed decision-support dashboard with Star Schema & DAX-driven finance metrics.
- Built models from GL data for P&L, forecasting, and rolling trends.
- Identified 44.1% YoY growth and flagged 2025 risk zones for smart cost control.

## 3. HR Workforce Optimization Dashboard – Power BI

- Built HR analytics system for attrition, morale, and performance evaluation.
- Implemented DAX metrics: Turnover Rate, Avg Performance Rating, KPI visuals.
- Exposed 16.12% attrition risk in Tech & Sales, enabling predictive hiring.

## 4. IoT Based Smart Irrigation Working Model

- Built real-time irrigation automation using ESP32, soil sensors, and Blynk IoT.
- Enabled automatic pump control with remote override & smart monitoring.
- Improved water use efficiency and demonstrated sustainable IoT agriculture.

## 5. Decentralized Peer Review Platform

- Built submission + blind review + scoring platform for independent researchers.
- Implemented using HTML, CSS, JavaScript, Flask (~80% complete)
- Enables transparent, accessible research review beyond traditional journals.

# PAPER PRESENTATION

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- **Research Publication:** Co-authored article, "Classification of Brain MRI Images using Deep Learning Networks" published in the **Springer Nature** series (Studies in Systems, Decision and Control). Focused contribution on implementing Deep Learning Networks for MRI image classification.
- **Decoding Deepfakes: Innovations, Obstacles and the Road Ahead in Detection, Dwaraka Doss Goverdhan Doss Vaishnav College** Surveyed Deepfake creation and detection techniques (GANs, CNNs, RNNs) and showcased insights on challenges, trends, and AI-based mitigation strategies.

# AREA OF INTEREST

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- Problem Solving and Strategy Games
- Data Analytics and Visualization
- Learning Emerging Technologies