

Soundarya DG

BTM Layout, Bangalore, Karnataka, India | +91 77957 04548 | soundaryadg26@gmail.com|

LinkedIn: soundarya-dg-80b987227 | GitHub: Soundarya1-DG

CARRER OBJECTIVE

Computer Science graduate with hands-on experience in data analysis, SQL, Excel, Power BI, and Python (Pandas, NumPy, Matplotlib). Skilled in querying relational databases (MySQL, SQL Server) and creating dashboards for actionable insights. Familiar with Git for version control. Seeking a Data Analyst role to support data-driven decisions and business growth.

TECHNICAL SKILLS

- **Programming Languages:** SQL, Python, C, HTML, CSS, JavaScript (basic)
- **Databases:** Microsoft SQL Server, MySQL, PostgreSQL
- **Tools and Frameworks:** Power BI, Tableau, Microsoft Excel (VLOOKUP, Pivot Tables), Git, GitHub
- **Cloud Platforms:** Basic knowledge of AWS services (EC2, S3), ThingSpeak for IoT data integration
- **Data Management Techniques:** Query writing and optimization, use of indexing for performance, database backup, and migration

PROFESSIONAL EXPERIENCE

Data Science Intern

Websort, Bangalore

02/2025–05/2025

- *Cleaned and pre-processed* 100,000+ rows of user data using Python (Pandas, NumPy), reducing data inconsistencies by 35%.
- *Built a movie recommendation system* that *improved* accuracy by 28%, enhancing user engagement and retention.
- *Trained and optimized* machine learning models using scikit-learn, achieving an RMSE of 0.86 and precision score of 82% on test data.
- *Created* 6+ interactive dashboards in Power BI and Tableau to track genre popularity, ratings distribution, and user activity across regions.
- *Conducted* exploratory data analysis (EDA) on 50,000+ user ratings, *revealing* behavioral trends that led to a 15% improvement in personalization strategy.

Programming and Development Intern

Contriver, Bangalore

10/2023 – 11/2023

- Engineered a machine learning model to estimate **calories burned** with 87% accuracy, tailored for fitness app integration.
- Refined input features across 10+ variables, resulting in a 12% gain in model reliability.
- Automated data processing and visualization tasks using Pandas, Matplotlib, and Google Colab, accelerating deployment by 20%.
- Delivered a live AI-enabled dashboard that provided instant activity insights for users.
- Verified and cleansed 25,000+ fitness logs to maintain 98% data integrity throughout model training.

PROJECTS

Patient Readmission Risk Analysis

02/2025– 05/2025

Tech Stack: SQL, Python (Pandas, Seaborn, SciPy), Power BI, Tableau, Excel

- Extracted and transformed 50,000+ patient records using SQL, resolving over 1,200 data inconsistencies through validation logic.
- Analyzed readmission rates across 10+ demographic groups and 30+ medical conditions, identifying 5 high-risk segments.
- Created SQL-derived features (e.g., avg stay, comorbidity index), improving Random Forest model precision to 88%.
- Designed 3 real-time dashboards to monitor readmission %, average hospital stay, and risk levels by department, viewed by 10+ stakeholders.

IoT-Based Health Monitoring System Using Cloud and Machine Learning

09/2024– 12/2024

Tech Stack: Python, ML (scikit-learn), IoT Sensors, ThingSpeak, Excel, Matplotlib

- Processed over 30,000 real-time sensor data points from wearable IoT devices.
- Detected health anomalies with 92% model accuracy, using historical time-series data from 100+ sessions.
- Enabled 24/7 monitoring via dashboards tracking heart rate, SpO₂, and body temperature with real-time alerts.
- Reduced manual check-in load by an estimated 40%, improving remote patient care efficiency.
- Data latency was minimized to under 2 seconds by applying efficient cloud-streaming techniques.

Instagram Clone – Social Media Web Application

01/2023– 03/2023

Tech Stack: MySQL, XAMPP, HTML, CSS, JavaScript, PHP

- Designed a photo-sharing platform with **user authentication, post sharing, and interaction tracking** for up to **500 test users**.
- Implemented **CRUD operations** for posts and comments with response times under **1.5 seconds** on localhost.
- Refined** database queries and indexed tables, reducing page load time by 30% during post retrieval.
- Implemented 5+ front-end components including profile update, like tracking, and image preview functionality.

EDUCATION

SDM Institute of Technology (SDMIT), Ujire – Karnataka, India

12/2021– 05/2025

Bachelor of Engineering (B.E.), Computer Science

CGPA: 8.32 / 10

DCMC PU College, NR Pura – Karnataka, India

06/2019– 07/2021

Pre-University Course (Class XII), Science Stream

Score: 80.66%

Jawahar Navodaya Vidyalaya (JNV), Tumkur – Karnataka, India

06/2018– 05/2019

Secondary School Certificate (Class X)

Score: 79.2%

CERTIFICATE

- Data Analyst Certification**
Besant Technologies, Bangalore
Skills Covered: SQL, Python, Tableau, Power BI, Statistical Analysis, Machine Learning
- SQL Micro Course**
Cuvette Tech
Focus Areas: SQL fundamentals, query building, joins, subqueries, data retrieval
- Python for Data Science**
Infosys Springboard
Focus Areas: Python basics, data structures, Pandas, NumPy, exploratory data analysis (EDA)