Sarthak Agarwal

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SUMMARY

Aspiring Data Scientist and Data Analyst with a strong foundation in statistics, data analysis, and programming. Skilled in Python, SQL, and data visualization tools like Tableau and Power BI. Eager to apply data-driven decision-making, problem-solving skills, and machine learning fundamentals to real-world business challenges. Passionate about uncovering insights from complex datasets and continuously learning emerging tools and techniques in the data field. Seeking an entry-level opportunity to contribute meaningfully to a data-driven organization while growing professionally.

EDUCATION

Bachelor of Technology in Computer Science (B.Tech CSE) [SRM Institute Of Science and Technology • Chennai, Tamil Nadu]	2023 - 2027
Class 12th in PCM [St.Joseph Montessori School • Lucknow, Uttar Pradesh]	2022 - 2023
Class 10th [St.Joseph Montessori School • Lucknow, Uttar Pradesh]	2020 - 2021

PROJECTS

Portfolio
- **Developed a fully responsive portfolio website** utilizing **HTML, CSS, JavaScript, and Bootstrap**, effectively showcasing a diverse range of skills and projects.
- Engineered a clean, intuitive, and user-focused interface with cross-device compatibility, ensuring an optimal user experience across various platforms and screen sizes.

Sales Data Analysis
Conducted exploratory data analysis on historical sales data to uncover performance trends and business insights.
- Cleaned and analyzed large datasets using Python (Pandas, NumPy) and Excel for a simulated retail company.
- Identified seasonal sales trends and top-performing product categories through data visualization (Matplotlib, Seaborn).
- Recommended inventory optimization strategies, resulting in a simulated 15% reduction in overstock items.

StaySure
Built a predictive analytics model to identify factors contributing to customer churn and improve retention strategies.
- Analyzed telecom customer data using Python (Pandas, NumPy) and SQL to uncover patterns in churn behavior.
- Developed a logistic regression model achieving ~85% accuracy in predicting customer churn.
- Visualized key churn drivers using Seaborn and Matplotlib (e.g., contract type, monthly charges, customer tenure).
- Recommended actionable retention strategies targeting high-risk customer segments.

COURSES AND CERTIFICATIONS

Introduction To Programming In C (NPTEL - IIT • 2024 • C programming) | **Data Science Orientation**(Course Era-IBM • 2024) | **Data Science Profession**(Course Era-University Of London • 2024) | **Introduction to Data Analyst**(Course Era-Meta • 2024) | **Database Management System**(NPTEL - IIT • 2025) | **Ace Hacks** (Hackathon • Round 3 Qualifiers • 2025) | **Frontend Developer Certificate** (HackerRank • 2025)

POSTIONS OF RESPONSIBILITY

Event Coordinator (SRM Institute of Science and Technology, Chennai, Tamil Nadu • ACE Club) — September 2024 - Present
- Organized and managed the FIFA gaming event as part of the ACE Club's annual symposium, attracting over [100] participants.
- Coordinated event logistics, registration, scheduling, and equipment setup to ensure a smooth and engaging experience.
- Collaborated with a team of volunteers to promote the event, resulting in increased participation and positive feedback.
- Handled real-time issue resolution and maintained a competitive yet fair environment for all players.

Tech Assistant and Event Coordinator (SRM Institute of Science and Technology, Chennai, Tamil Nadu • DI Club) — February 2025 - Present
- Part of the core technical team responsible for planning and executing the technical events during the annual symposium.
- Designed and curated technical quiz questions focused on computer science fundamentals, coding logic, and recent tech trends.
- Assisted in conducting events, managing timing, scoring, and resolving participant queries efficiently.
- Contributed to maintaining fairness, engagement, and academic relevance across all rounds of the competition.

Design Team(SRM Institute of Science and Technology, Chennai, Tamil Nadu • ACE) — March 2025 - Present
- Collaborated with the design team to create visually appealing posters, banners, and digital content for club events and symposiums.
- Designed promotional materials that effectively communicated event themes, schedules, and participation details.
- Ensured consistency with the ACE Club's branding and aesthetic across all design assets.
- Utilized tools such as Canva, Photoshop, and Illustrator to produce high-quality graphics under tight deadlines.
- Contributed to enhancing the club's visibility and engagement through creative design work.

SKILLS

LANGUAGES: Java, Python, C/C++, JavaScript, HTML/CSS, Python, SQL

DATA ANALYSIS: Pandas, NumPy, Excel

DATABASES: MySQL, PostgreSQL, SQLite

DATA CLEANING & WRANGLING: Pandas, OpenRefine, Excel

STATISTICS & PROBABLITY: Descriptive stats, Hypothesis testing

DATA VISUALIZATION: Tableau, Matplotlib

TOOLS: Excel, Jupyter Notebook, Git

INTEREST AND HOBBIES

Technology Exploration | Reading | Gym | Football | Chess | Cycling | Badminton | Bowling | Watching Podcasts | Cooking

CURRENT LEARNING ENDEAVOURS

Machine Learning | **Big Data Tools** | **Advanced SQL** | **Deep Learning** | **Data Visualization** | **Data Science Certification** | **Cloud Computing**