

Shayan Singha

Analyst

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SUMMARY

Computer Science Engineering undergraduate skilled in C/C++, Python, SQL, and Tableau, with a strong focus on data security and management.
Insightful problem-solver with experience in algorithm design, machine learning, data analysis, and developing business strategies through scalable systems.
Combines low-level programming with data-driven solutions for optimal performance and effective presentations.

WORK EXPERIENCE

Data Analyst Intern

Nov '24 — Jan '25

Unified Mentor

Gurgaon, India

- Built ML models to predict employee turnover with 85% accuracy, improving HR strategies through insightful data analysis.
- Developed 10+ data visualizations using SQL and Python (NumPy, pandas), reducing reporting time by 30% and enhancing management decision-making.
- Created Tableau dashboards to identify trends and improve stakeholder understanding by 40%, focusing on critical business strategies.
- Presented actionable insights to stakeholders, leading to a 20% increase in data-driven decision-making processes and influencing company policies.

EDUCATION

Bachelor of Technology in Computer Science (AI ML), VIT Bhopal University

Sep '22

Bhopal, India

10 + 2, Kendriya Vidyalaya Maligaon

Aug '21 — Jul '22

Guwahati, India

10, South Point School

Apr '19 — May '20

Guwahati, India

ACHIEVEMENTS

Health Hackathon Finalist

VIT Bhopal University, India and Johns Hopkins University, USA

PROJECTS

Breast Cancer Detection Model [Link](#)

Aug '23 — Oct '23

- Built an ML model with 92% accuracy to classify tumors using the Breast Cancer Wisconsin Dataset.
- Preprocessed raw data and evaluated models (Logistic Regression, Random Forest, XGBoost), enhancing performance by 15% through critical thinking.
- Reduced data preprocessing time by 25% through efficient handling of missing values, demonstrating problem solving skills.

Data Analysis of AirBnb

Dec '24 — Dec '24

- Analyzed 10,000+ entries to identify pricing trends, uncovering a 20% price variation based on location.
- Created insightful Tableau dashboards to visualize price analysis by zip code and map listing locations, influencing business strategies.
- Identified seasonal trends, leading to a 10% increase in revenue for property owners during peak seasons.

EDA of tech layoffs from COVID 2019 - 2023 [Link](#)

Nov '24 — Dec '24

- Conducted EDA on 5,000+ tech layoffs, removing 15% duplicates and handling 10% null values, showcasing analytical skills.
- Standardized data formatting, improving dataset reliability by 25% and ensuring data security.
- Delivered insights into layoff trends, enhancing understanding of the post-COVID tech landscape through effective presentations.

SKILLS

Relevant Skills Management, Presentations, Raw Data, Security, Insightful, Mathematics, Written Communication, Organization, Critical Thinking, Analytics, Policies and Procedures, Research, Software, Problem Solving, Influence

Programming Languages Python, C/C++, OOP, SQL

Data Visualization Tableau, PowerBI

Development Tools Github, Jupyter Notebook, VS Code, Visual Studio, PyCharm

Data Analysis Libraries pandas, NumPy, Matplotlib, Sci-kit Learn

Machine Learning Frameworks Tensorflow