

Sahil Srivastava

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SKILLS

Languages: C++, Python, C, SQL, HTML, CSS

Tools/Platforms: Microsoft Azure (Data Factory), Google Colab, MySQL, Excel, VS Code

Soft Skills: Communication, Problem-Solving, Business Impact Assessment, Presentation Design

INTERNSHIPS

Celebal Technologies

Jun' 25 – Aug' 25

Data Engineering Intern, Remote, Jaipur, India

- Architected a scalable ingestion pipeline with *Delta Lake*, *PySpark*, and Structured Streaming, enabling incremental, real-time data appends with robust version control and time zone-aware logic.
- Programmed synthetic data generators and automated ingestion scripts using the Delta Table, maintaining end-to-end data consistency across versions.
- Executed an integrated email notification system in python with *HTML* based insights, improving observability and reducing manual oversight.

Techfest IIT Bombay

Jun' 24 – Dec' 24

College Ambassador Intern, Remote, Mumbai, India

- Coordinated and executed marketing campaigns across Instagram, offline channels, driving an increase in student engagement.
- Directed a network of 100+ students, faculty members, and professionals to amplify Techfest outreach across regional and national colleges.
- Partnered with industry leaders and campus organizations to promote workshops, and flagship competitions, contributing to a significant boost in campus participation.

PROJECTS

Geospatial and Predictive Analysis of Meteorite Landings | *Python, ML, Predictive Analysis*

May' 24

- Performed end-to-end *Exploratory Data Analysis (EDA)* on a 45,000+ NASA meteorite records via *Python*, delivering 9+ distributional, and geospatial trend discovery.
- Conducted distribution analysis Outlier detection (*IQR*), and *Correlation Analysis* (heatmap) to examine relationships between mass, year and geographic coordinates.
- Analyzed temporal trends and category distributions; performed *Hypothesis Testing* ($P < 0.05$) to evaluate statistical differences in meteorite mass between "Fell" and "Found" classes.

Silent Epidemic Mortality Analysis | *Power BI Desktop*

Nov' 25

- Analyzed 10,000+ longitudinal mortality records from the NCHS dataset and built an interactive *Power BI* dashboard to visualize temporal and geographic mortality trends.
- Applied *DAX*-based analytics and decomposition tree analysis to identify high-growth mortality clusters across U.S. states.
- Implemented forecasting to predict future mortality trajectories, revealing a projected 10–12% rise in accidental deaths if current trends persist.

CERTIFICATES/CERTIFICATIONS

Oracle Cloud Infrastructure 2024 AI Foundations Associate (1Z0-1122-24) | Oracle University

Apr' 25

Master Generative AI & Generative AI tools (ChatGPT & more) | Infosys

Aug' 25

Oracle Cloud Infrastructure 2024 Generative AI Professional (1Z0-1127-24) | Oracle University

May' 24

Privacy and Security in Online Social Media | NPTEL

May' 24

ACHIEVEMENTS

- Solved 290+ DSA problems across platforms, including 100+ on *LeetCode*, covering core topics like Trees, Graphs and Linked Lists.
- Achieved LeetCode Contest Rating of 1466, demonstrating competitive programming foundations.
- Secured CodeChef Contest Rating of 1127 through active participation in rated contests.

EDUCATION

Lovely Professional University

Phagwara, Punjab

Bachelor of Technology

Aug' 23 – Present

Computer Science and Engineering; CGPA: 6.90

Atmiya Vidyapeeth

Gandhidham, Gujarat

Intermediate

Mar' 22 – May' 23