- Present Findings And Recommendations Clearly And Concisely Through Compelling Visualizations And Reports.

- Ensure Compliance With Data Privacy Regulations (E.G., Gdpr) Throughout All Data Processing Activities.

- Continuously Improve Existing Data Pipelines And Processes For Enhanced Efficiency And Reliability.

- Leverage Cloud Platforms Such As Aws, Google Cloud Platform, Or Azure For Scalable Data Storage And Processing.

- Engage In Research Projects To Explore New Applications Of Data Science In Metallurgical Industries.

- Contribute To Open-Source Projects Related To Data Science And Metallurgy To Enhance Your Professional Network.

Improved Resume:

Ritwik Singh

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Summary:

Highly Skilled And Experienced Software Engineer With Expertise In Data Extraction, Interpretation, And Visualization Using Sql, Python, And Tableau Power Bi. Proven Ability To Translate Complex Data Into Actionable Insights To Drive Business Solutions. Demonstrated Success In Implementing Real-Time Person Detection And Counting, Leading 3D Reconstruction Projects, And Developing Avatar-Based Speech-To-Speech Models. Proficient In Problem-Solving, Critical Thinking, Communication, Collaboration, And Data Storytelling.

Technical Skills:

- Python (Expert)
- Postgresql (Proficient)
- Mongodb (Proficient)
- Tableau (Proficient)
- Power Bi (Proficient)
- Excel (Advanced)
- Statistics (Expert)
- Machine Learning (Expert)
- Gcp (Proficient)

Skill Experience:

Navajna Technologies | *Software Engineer - Project Lead* | *Hyderabad, India* | *Aug 2022 - Apr 2024*

- Implemented Real-Time Person Detection And Counting From Ip Cameras Using Intel Retail

Detection Model, Enhancing Accuracy And Reducing Inference Time.

- Led A 3D Reconstruction Project Using Neural Radiance Field And Openmvs, Reducing Reconstruction Time To 10 Minutes And Improving Model Accuracy By 90%.

- Developed An Avatar-Based Speech-To-Speech Model With Lip Sync Functionality And Evaluated Methods For Streaming Voice Data Between Frontend And Backend Using Webrtc And Apache Kafka.

Innodatatics | *Intern - Machine Learning & Statistics* | *Remote, India* | *Apr 2022 - Aug 2022*

- Participated In Data Gathering And Applied Machine Learning Models To Predict Sample Collection Times, Improving Scheduling Efficiency By 30% And Reducing Wait Times By 20%.

- Fetched Datasets From Sql Databases Into A Python Environment And Created A Dashboard For Appointment Booking.

Projects:

1. *Music Store Data Analysis*

   - Identified Key Customer And Sales Trends, Including Top Spending Customers, Most Invoiced Countries, And Popular Music Genres By Country.

   - Analyzed Detailed Metrics On Best Customers, Top Invoice Values, And Senior Employees Within The Organization.

   - Profiled Rock Music Listeners And Determined Top Rock Artists Based On Track Count.

2. *Blinkit Sales Dashboard*

   - Developed A Comprehensive Power Bi Dashboard To Analyze Blinkit Sales Performance, Including Metrics On Total Sales, Average Sales, And Customer Ratings.

   - Segmented Sales Data By Outlet Type, Size, And Location To Identify Key Trends Across

Different Market Tiers.

- Provided Actionable Insights Into Product Categories And Fat Content, Aiding In Strategic Decision Making For Inventory Management.

Education:

360Digitmg Data Science | *Diploma* | *Dec 2021 - Apr 2022*

University Of North Bengal | *Physics (Honors)* | *May 2018 - Aug 2021*

Achievements:

- Hackerrank: Python (5), Sql (5), C (3)
- Kaggle: Contributor Level

Relevant Keywords:

- Data Extraction
- Data Interpretation
- Data Visualization
- Real-Time Person Detection
- 3D Reconstruction
- Speech-To-Speech Models
- Machine Learning
- Predictive Analytics
- Data-Driven Web Applications
- Django

- Fastapi
- Flask
- Tensorflow
- Pytorch
- Scikit-Learn
- Data Privacy Regulations (Gdpr)
- Cloud Platforms (Aws, Gcp, Azure)
- Research Projects
- Open-Source Contributions