HIMANSHU CHADHA

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Profile Summary

Motivated Data Analyst with **1.9** years of experience in data processing, performance optimization, and system analysis. Proven ability to work with complex datasets, implement data validation mechanisms, and deliver performance improvements through analytical problem solving. Currently expanding expertise in statistical analysis, data visualization, and business intelligence to transition into data analytics and data science roles.

Professional Experience

Synergy Systems & Solutions   **June 2024 – September 2025**
Jr. Software Engineer   *Delhi NCR, India*

Synergy Systems & Solutions   **December 2023 – June 2024**
Software Engineering Intern   *Delhi NCR, India*

- **Data Analysis & Optimization:** Analyzed system performance metrics and implemented DAE module consolidation, resulting in **40%** performance improvement through data driven decision making and system efficiency analysis
- **Business Process Improvement:** Designed automated database population systems and JSON configuration parsers for LSA module, streamlining business operations and reducing manual intervention by **60%**
- **Risk Management:** Developed Questionable Flag mechanism and comprehensive data validation systems to identify anomalies, ensure data integrity, and mitigate operational risks in production environments
- **Performance Analytics:** Integrated ExtremeDB View API and optimized data access patterns, achieving **25%** faster query response times through statistical analysis and performance monitoring
- **Problem-Solving & Root Cause Analysis:** Resolved **15+** production critical issues using systematic debugging, data simulation, and statistical analysis to identify patterns and implement permanent solutions
- **Stakeholder Management:** Collaborated with cross functional teams to gather requirements, analyze business needs, and deliver solutions that improved system reliability and operational efficiency

Technical Skills

Programming & Analytics: Python (NumPy, Pandas), SQL, C++, Statistical Analysis
Data Visualization: Power BI, Excel (Advanced), Matplotlib, Seaborn
Databases & Tools: MySQL, PostgreSQL, ExtremeDB
Business Intelligence: KPI Development, Dashboard Creation, Reporting, Metrics Analysis
Statistical Methods: Hypothesis Testing, Regression Analysis, A/B Testing, Forecasting
Tools & Platforms: Jupyter Notebooks, Git, Agile/Scrum, JIRA, Confluence, Bitbucket, Visual Studio
Core Subjects: Database Management Systems, Machine Learning, Data Mining

Education

Department of Computer Science, University of Delhi   **2022 - 2024**
Master of Science in Computer Science   *7.8/10 CGPA*

Ramanujan College, University of Delhi   **2019 - 2022**
Bachelor of Science (Hons.) in Computer Science   *9.04/10 CGPA*

Projects

Sales & Customer Insights Dashboard
SQL, Power BI, Excel

- Analyzed **10K+** sales transactions, identified top **10** customers contributing **65%** revenue
- Built interactive dashboard showing sales by region, product category, and profit trends
- Implemented data cleaning processes and created KPI metrics for business decision making

Employee Attrition Prediction Model
Python, Pandas, Scikit-learn

- Performed data cleaning and exploratory analysis on **1.4K** employee records
- Developed predictive model (Logistic Regression) achieving **78%** accuracy and identified key attrition drivers
- Created visualizations and reports highlighting department wise attrition patterns and risk factors