

Himmat Singh Chahal

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OBJECTIVE

Data Science and Analytics graduate student at SUNY Buffalo State University with 2 years of software development experience, seeking a Summer 2025 internship.

EDUCATION

SUNY Buffalo State University, Buffalo, New York January 2024-December 2025
Master of Science in Data Science and Analytics
GPA- 4.0/4.0
Thapar Institute of Engineering and Technology, India June 2018-June 2022
Bachelor of Engineering in Computer Science

SKILLS & PROFICIENCIES

Certifications: Microsoft Certified: Azure Fundamentals (AZ-900)
Data Analysis Tools: Excel, Tableau, SQL, Python (pandas, NumPy), MATLAB, SPSS, AWS, MongoDB, R, Redis, XML
Programming Languages: Python, C++, C#, .NET
IT Constructs: Data Structures and Algorithms, Operating Systems, DBMS

EMPLOYMENT HISTORY

Data Science and Mathematics Department, SUNY Buffalo State University August 2024 - Present
Graduate Assistant (GA)

- Assisting students and faculty with course assignments and presentations, utilizing oral communication skills to convey complex technical concepts.
- Managing and analyzing student data using relational databases, ensuring accurate and timely reporting.
- Conducting statistical analysis on student performance data to identify trends and inform course improvements.
- Developing an online learning platform, enhancing student engagement and reducing administrative workload.

Deloitte USI, India January 2022- January 2024
Business Technology Analyst

- Optimized system integration workflows for medical device clients by analyzing requirements and designing workflows.
- Developed data migration strategies using WBM and SQL, ensuring data integrity and accuracy.
- Customized PLM applications with Java and Python, and enhanced Excel functionalities using VBA.
- Streamlined data migration between two servers with Python, reducing processing time by 20% and improving accuracy by 15%.

PROJECTS

Airbnb Prices Prediction, SUNY Buffalo State University Present

- Analyzed the "Airbnb Listings" dataset from opendatasoft.com with a goal to predict prices.
- Created visualizations with Python and Tableau to identify key features of the Airbnb dataset.
- Performed feature engineering and regression modelling to determine the best predictive model and achieved 90% accuracy with Random Forest Model.

The Netflix Story, SUNY Buffalo State University Spring 2024

- Analyzed the "Netflix" dataset from Kaggle to visualize Netflix's journey.
- Developed interactive Tableau visualizations highlighting subscriber growth, revenue trends, content expansion, and global market penetration
- Created a comprehensive Tableau Story to communicate Netflix's growth trajectory and strategic milestones.

Stroke Prediction, SUNY Buffalo State University Spring 2024

- Analyzed the "Brain Stroke" dataset from Kaggle and developed data analysis strategies.
- Built predictive Machine Learning models using XGBoost, Random Forest, and Logistic Regression to forecast stroke occurrences.
- Created a data-driven story that improved model accuracy by 15%, effectively translating complex findings into actionable insights.

VOLUNTEER WORK

Aashman Foundation, India May 2021- August 2021
Event Management Volunteer
Led fundraising events, raising ₹45,000 (\$500 USD) to support underprivileged communities. Promoted menstrual hygiene awareness, empowering women through education and advocacy.