Tahir Aasim

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Profile Summary

Graduate student in Data Science with strong skills in Python, SQL, Machine Learning, and Data Visualization. Experienced in building predictive models, performing statistical analysis, working with datasets, and developing analytical dashboards. Demonstrated ability through hands-on academic projects and real-world ML applications. Seeking a Data Analyst / Data Science internship to apply analytical thinking, modeling skills, and problem-solving capabilities.

Education

Christ Deemed to be University Lavasa, Pune   *August 2024 – June 2026*
Masters of Data Science

- GPA: 2.4/4.0
- **Coursework:** Foundation of Statistics, Practical and Theoretical learning of Languages, Comparison of Learning Algorithms for predictive modeling.

University of Kashmir   *March 2020 – Nov 2023*
BCA in Computer Science

- CGPA: 7.2/10
- **Coursework:** Computer Architecture, Comparison of Learning Algorithms, Computational Theory, Relevant system languages

Skills

Programming: Python, SQL, R (Basics)

Machine Learning: Regression, Classification, EDA, Model Evaluation

Data Tools: Excel, Power BI, Pandas, NumPy, Matplotlib, Seaborn

Frameworks: Django

Cloud: Azure (Basics)

Experience

Data Science Intern   *August 2025 – Present*
Project Title:UnderWater Sound Detection

- Developed an end-to-end ML pipeline for underwater sound event detection and classification.
- Processed and labeled large sets of underwater .wav files for model training and evaluation.
- Built a sound event detection model that identifies categories such as vessel, animal, noise, and others.
- Improved model performance by applying feature extraction and parameter tuning.

Projects

Web Scraping and Regression Modeling for Data-Driven Predictions: *github.com/zack613/web-Scrapping* ↗

- Scraped hourly temperature data, cleaned missing values, and prepared datasets.
- Generated prediction plots, residual diagnostics, and a final performance report.
- Evaluation Metrics – Achieved MAE = 0.72, RMSE = 1.01, R^2 = 0.65, plus a custom regression accuracy

of 94.64

- ○ Technologies Libraries – Python with Pandas, NumPy (data handling), Scikit-Learn (RandomForestRegressor, scaling, metrics, confusion matrix), Matplotlib/Seaborn (visualization).

IPL Analysis Report (2008-2018)

github.com/zack613/IPL-Analysis ↗

- ○ This report provides an in-depth analysis of IPL data from 2008 to 2018, covering team performances, player statistics, match outcomes, and key trends. It highlights how data-driven insights can improve strategies, player selection, and decision-making for teams. The study demonstrates the importance of cricket data analysis in enhancing tactical planning and gaining a competitive edge.
- ○ Tools Used: Excel,

Predicting Building Heating Load Using Linear Regression

github.com/zack613/Machine-learning ↗

- ○ Work Done – Defined the problem (predict Heating Load), collected UCI dataset, performed EDA pre-processing (scaling, outlier check, feature selection), built and trained a Linear Regression model (80/20 split), validated assumptions, evaluated results, and provided conclusions with recommendations.
- ○ Evaluation Metrics – R^2 = 0.911, Adjusted R^2 = 0.908, MAE = 2.17, MSE = 9.26, RMSE = 3.04, with residual analysis confirming assumptions (normality homoscedasticity).

Certification

MongoDB Professional Certification:

github.com/zack613/Certifications ↗

- ○ Introduction to MongoDB
- ○ Certification Code: 7823264

Microsoft Power Bi Certification Program:

github.com/zack613/Certifications ↗

- ○ Power BI for Beginners
- ○ Certification Code: 8440773

Artificial Intelligence and Machine Learning:

github.com/zack613/Certifications ↗

- ○ Introduction to Artificial Intelligence
- ○ Certification Code: 8444242

Deloitte:

github.com/zack613/Certifications ↗

- ○ Data Analytics Job Simulation

British Airways:

github.com/zack613/Certifications ↗

- ○ Data Science Job Simulation

Soft Skills

- ○ Communication, Problem-Solving , Teamwork , Adaptability, Analytical Thinking