

Tanmay Kulshreshtha

Junior Data Scientist

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PROFESSIONAL SUMMARY

M.Sc. Statistics graduate with a data science internship at an insurance analytics firm, where I built a claim severity model in Python. Strong in regression, tree-based models, feature engineering and cross-validation, with working SQL and basic model deployment through Flask. Seeking a junior data scientist role on prediction or forecasting problems.

SKILLS

Python (pandas, scikit-learn) · SQL · Regression and classification · XGBoost and LightGBM · Feature engineering · Cross-validation · Hypothesis testing · Flask APIs · Git

EXPERIENCE

Data Science Intern — Analytics firm serving general insurers, Hyderabad

6-month internship

- Built a gradient boosting model to predict motor claim severity, beating the existing rule-based estimate on mean absolute error.
- Engineered features from policy, vehicle and garage data, and documented each one with its business meaning for the actuarial team.
- Wrapped the model in a Flask API and wrote unit tests so the engineering team could call it from the claims portal sandbox.

Research Assistant — University statistics department, Hyderabad

1 year · part-time

- Cleaned and analysed district-level rainfall and crop yield data for a faculty project on monsoon variability.
- Fitted mixed-effects models in R and produced charts used in a departmental working paper.

EDUCATION

M.Sc. in Statistics — Central university, Hyderabad

Dissertation: forecasting daily electricity demand with gradient boosting and seasonal features

B.Sc. in Mathematics — Government degree college, Agra

CERTIFICATIONS AND REGISTRATIONS

- Machine Learning Specialisation, online course
- Kaggle competitions — two bronze medals in tabular contests

PROJECTS

- Electricity demand forecast — weekly model on public grid data with holiday and temperature features, documented on GitHub

LANGUAGES

Hindi · English