ANAND TIWARI

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Profile Summary

Data-focused Python developer with hands-on experience in data cleaning, exploratory analysis, SQL querying, and machine learning model development. Built end-to-end predictive models on real-world datasets, transforming raw data into actionable insights using Pandas, NumPy, and Scikit-learn.

Projects

Medical Cost Prediction – Regression Modeling (Python, Scikit-learn)

- Cleaned and analyzed 1,300+ insurance records, handling missing values and encoding categorical features.
- Built and compared Linear, Ridge, and Lasso regression models to predict medical insurance charges.
- Evaluated models using R^2, MAE, and RMSE to select the best-performing model.
- Interpreted feature impact (age, BMI, smoking status) to explain key cost drivers.

Certifications

- **The Joy of Computing Using Python** — NPTEL   Oct 2025
- **Enhancing Soft Skills and Personality** — NPTEL   Apr 2025

Skills

Programming: Python, SQL, C
Data Analysis: Data Cleaning, Exploratory Data Analysis, Feature Engineering, Data Visualization
Machine Learning: Linear Regression, Ridge, Lasso, Model Evaluation (R^2, MAE, RMSE)
Libraries: Pandas, NumPy, Matplotlib, Scikit-learn
Tools: Git, Jupyter Notebook, VS Code, MySQL

Internship

Frontend Developer Intern – Intelligence Cloudgen Technologies, Pune   Jul 2025 – Dec 2025

- Used Python scripts to clean and validate structured CSV data used within application workflows.
- Assisted in automating repetitive data preparation tasks.
- Debugged application-level issues and validated data inputs for reliability.

Leadership & Volunteering

Founder – Knowledge Nexus   Sep 2024 – Present
Led peer learning sessions on Python fundamentals and debugging.
Vice President – Drama Club   Oct 2024 – Apr 2025
Managed coordination and documentation for club activities.
Peer Counselor – Peer Counseling Club   Nov 2023 – Present
Provided academic guidance and maintained progress records.

Education

Bachelor of Technology in Computer Science and Engineering (AI & ML)
GH Raisoni College of Engineering and Management, Pune   2022 – 2026

Awards

Peer Counsellor Award – Peer Counseling Club (2024)
Event Wizardry Award – Peer Counseling Club (2024)