Sandeep Kumar

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EDUCATION

- University of Mumbai, Jun 2024
  B.E., Computer Engineering
  CGPA: 9.00

Technical Skills

- **Languages and Tools**: Python, SQL (MySQL), Tableau, Power BI, Advanced Excel, Git, GitHub
- **Libraries & Frameworks**: Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, Beautiful Soup, Selenium
- **Data Science & Machine Learning**: Data Collection, Data Preprocessing, Data Visualization, Linear and Logistic Regression, KNN, Decision Tree, Random Forest, SVM, XGBoost, CatBoost
- **Mathematics for ML**: Statistics, Probability, Matrices, Linear Algebra
- **Deployment**: MLOps, DVC, AWS, MLflow, Kubernetes

Training Experience

Trainee, Data Science and Machine Learning — CampusX — 2022-2024

- Acquired skills: Excel, Supervised ML, Unsupervised ML, SQL, Statistics, Tableau, Power BI, **effective communication**.
- Enhanced proficiency in Feature Engineering, EDA, and Data Visualization.
- Gained hands-on experience with Power BI, Tableau, and Scikit-Learn on projects impacting over **100+** users.
- Worked collaboratively with a team of **5** peers on group projects, showcasing strong **teamwork** and enhancing project outcomes.

Projects

Real Estate House Price Prediction – Real Estate Apartments Data [Machine Learning — SQL]
Link **Mar 2024**

- Constructed an ML model that predicts the price of real estate houses by taking certain inputs (locality, **no. of BHK**, area in sq ft, **no. of bathrooms**, etc.) from the user, achieving an accuracy of **85%**.
- Created a dashboard that provides the analysis of the real estate apartments, viewed by over **200** potential buyers.
- Insights from the dashboard help home buyers make informed decisions on which apartments to purchase, reducing decision time by **30%**.

Movie Recommender System – [Machine Learning — Python]
Link **Feb 2024**

- Developed a content-based movie recommender system trained on a dataset containing 5000 movies.
- Created an end-to-end machine learning project with a GUI web application that recommends movies using cosine similarity.
- Utilized Numpy, Pandas, Sk-Learn, NLTK, and Streamlit for implementation.

IPL Analysis – [Data Analysis — Power BI]
Link **Jun 2024**

- Developed an IPL Report in Power BI providing an in-depth analysis of the Indian Premier League with three detailed pages: IPL Overview, Team Profile, and Player Profile.
- The IPL Overview page offers high-level tournament insights, including total matches, runs, and win-loss ratios.
- The Team Profile page delivers detailed team statistics and performance trends.
- The Player Profile page analyzes individual player performances, featuring metrics like runs, wickets, and strike rates.

Certifications / Awards

- Secured a 5-star Gold badge in HackerRank for SQL Link.
- Earned a badge in Python for Data Science - edX Link.
- Azure AI Fundamentals - Microsoft Link.
- AWS Certification - AWS Link.