Adarsh Kumar

Kondapur, Hyderabad, Telangana - 500084
+918340658445 adarshkumar3733@gmail.com linkedin.com/in/adarshds3733 github.com/adarsh-ds-kumar

Education

B. P. Mandal College of Engineering **Dec 2020 – Aug 2024**
Bachelor of Technology in EEE *Madhepura, Bihar*

Experience

Rehlat Online Services Pvt. Ltd. **Feb 2025 – Present**
Category Analyst Intern *Hyderabad, Telangana*

- **Flight Category Analysis:** Analyzing flight booking trends, pricing strategies, and customer behavior to optimize sales and revenue.
- **Data-Driven Decision Making:** Leveraging Excel and SQL to extract insights from large datasets, supporting category management strategies.
- **Performance Monitoring:** Tracking key performance indicators (KPIs) and preparing reports to improve category efficiency using QlikSense and Looker Dashboard.
- **Competitive Benchmarking :** Conducting market research and competitor analysis to enhance pricing strategies and maximize flight bookings.

Projects

Movie Recommendation System | *Python, Statistics, Unsupervised ML* **February 2025**

- Utilized multiple tables (movie title, genres, ratings, and tags) and performed SQL joins to consolidate data into a comprehensive movie dataset, including movie ID, title, genres, and ratings.
- Implemented an average rating calculation to assess movie popularity based on ratings from various users, ensuring recommendations were grounded in user feedback.
- Developed a recommendation engine that suggests movies based on user input by leveraging the get match library from scikit-learn, by using cosine similarity.
- Provided personalized movie recommendations to users based on their query (e.g., movie title), returning the top suggestions based on genres, average rating, and user preferences.

Mental Health at Workplace Prediction | *Python, Statistics, Supervised ML* **January 2025**

- Data Preprocessing and Feature Engineering – Cleaned and prepared workplace mental health survey data for machine learning analysis.
- Supervised ML Modeling – Implemented various supervised algorithms (Logistic Regression, Decision Tree, Random Forest, SVM, and all Advanced ML algorithms) to predict mental health risks.
- Model Evaluation and Optimization – Compared model performance using accuracy, precision, recall, and F1-score, optimizing results through hyperparameter tuning.

IPL Data Analysis | *Python,Statistics, SQL, Power BI* **November 2024**

- Analyzed IPL(2008-2024) Dataset and Identified winning patterns by examining factors like toss decisions, venue statistics, and player contributions, aiding in strategic decision-making.
- Created dynamic visualizations to present insights, such as top-performing players, team win ratios, and scoring patterns, for better data storytelling.
- Applied statistical techniques to assess team consistency, and evaluate the influence of toss results on match wins.

Skills

- Python
- SQL
- Advanced Excel
- Power BI
- Statistics
- Machine Learning
- Deep Learning
- Optimization
- Data Modelling
- Data Analysis
- Leadership
- Problem Solving

Leadership / Extracurricular

Editor **Towards Tomorrow 2.0**
Annual Magazine *BPMCE Madhepura*

Coordinator **Abhyuday 2023**
Quiz Competition *Kosi Division*

Volunteer **Sports/Cultural Event**
National Sport's Week 2023 *BPMCE Madhepura*

- Managed Talk the Talk Club of College and ran weekly meetings to oversee progress in essential parts of the progress of students.
- **Strong Academic Performance i.e.Graduated with 2nd Rank in The Department of EEE.**