GANDHAM GUNASHEKAR

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**SKILLS**

* **Programming & Data:** Python (Pandas, NumPy, scikit-learn, Matplotlib, Seaborn), SQL (CTEs, Window Functions, Data Cleaning), VBA, Macros, Selenium, Git/GitHub.
* **BI & Visualization:** Tableau (Dashboards, KPI Design, Geospatial), Excel (Pivot Tables, Advanced Functions), QuickSight, Power BI, Streamlit.
* **Cloud Computing:** Amazon Redshift, AWS.
* **Machine Learning:** Classification, Regression, NLP (TF-IDF, Tokenization, Word Embeddings), Feature Engineering & Selection, Model Evaluation (Accuracy, Precision, Recall, F1, RMSE, MAE), MLOps.
* **Analytics & Practices:** Data Cleaning & EDA, Data-driven Decision Making, Agile (Scrum, Sprint Planning), CRISP-DM, Stakeholder Reporting & Presentations, ETL, DataOps, KPI Monitoring, Business Requirements Definition, User Acceptance Testing.

**PROJECT EXPERIENCE**

**MEDI-CONNECT - SYMPTON-TO-MEDICINE PREDICTION — NLP + STREAMLIT (RESEARCH)**

* Preprocessed 112K+ drug review records using NLP techniques (tokenization, normalization, TF-IDF, word embeddings).
* Benchmarked multiple classifiers, achieving 94.3% accuracy, aligned with clinical use cases and requirements.
* Deployed a user-friendly Streamlit web application with speech-to-text and Google Maps integration for enhanced accessibility.

**AIRBNB DATA ANALYSIS & VISUALIZATION**

* Standardized 25K+ Airbnb listings into analysis-ready tables using SQL and Python, ensuring data quality and consistency.
* Developed interactive Tableau dashboards to visualize key performance indicators (KPIs) such as occupancy, revenue, pricing strategies, and host performance.
* Leveraged geospatial and time-series analysis methods to identify seasonal trends and demand clusters, providing actionable insights.

**BLUEBOOK FOR BULLDOZERS – END-TO-END PRICE PREDICTION**

* Modeled 400K+ auction records to accurately predict heavy equipment resale prices using machine learning techniques.
* Engineered a comprehensive set of temporal, categorical, and equipment-specific features to enhance predictive accuracy.
* Benchmarked various regression models (Linear Regression, Random Forest, Gradient Boosting) using RMSE, MAE, and R-squared metrics.

**WORK EXPERIENCE**

**VOLUNTEER.**

*Mantra Surf Club, Mulki 01-04-2025* ***–*** *01-05-2025*

* Volunteered at Mantra Surf Club, assisting with surfing lessons and teaching stand-up paddling and kayaking to guests.
* Supported daily café operations, delivering customer service and maintaining a welcoming atmosphere.
* Served as Guest Relations Manager, ensuring smooth communication and positive visitor experiences.
* Developed hospitality, communication, teamwork, and cultural sensitivity skills while engaging with diverse people in a vibrant coastal setting.

**PRESIDENT OF CHAITANYA LAASYA (UNITED DANCE CREW).**

*Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad 01-06-2023 – 16-06-2024*

* Led and motivated the team, fostering collaboration and managing conflicts to maintain high morale and performance.
* Planned and executed events, handling logistics, budgeting, and ensuring successful execution under tight deadlines.
* Adapted quickly to last-minute challenges, ensuring smooth event operations despite unexpected issues.
* Managed the club's budget, secured sponsorships, and balanced finances to deliver successful, cost-effective events.
* Drove club growth through strategic visibility campaigns, recruitment efforts, and new initiatives like workshops and social media presence.

**POTENTIAL PUBLICATIONS**

**“PREDICTION OF PULMONARY EMBOLISM AND ESOPHAGITIS USING MACHINE LEARNING”.**

* Presented at International conference on cognitive & intelligent computing (ICCIC), 2023.
* Formulated and validated machine learning algorithms for accurate diagnosis.

**“MEDICONNECT: A Symptom-Based Medicine Prediction System using Natural Language Processing”.**

* Published in International journal of intelligent systems technologies and applications (IJISTA), 2024.
* Implemented NLP system for symptom analysis and medication prediction, integrating real-time pharmacy services.

**EDUCATION**

**Chaitanya Bharathi Institute of Technology** *CGPA: 7.9*

*B.E(AI&DS) (06-12-2020 – 16-06-2024)*

**Narayana Junior College** *Percentage: 94.9*

*INTERMEDIATE(MPC) (01-04-2018 – 01-03-2020)*

**Narayana Concept School**  *GPA: 9.5*

*10th (SSC) (01-04-2017 – 01-03-2018)*

**ACHIEVEMENTS**

* Certified President of Chaitanya Laasya (2023-24).
* Expressway to Data Science: Python Programming, University of Colorado Boulder (via Coursera) – Jun 2025 (Covers Python, Pandas, NumPy, Matplotlib, Seaborn)

[Verify Certificate] - ( <https://coursera.org/verify/specialization/GCT6AA9J3CE6> )

**EXTRA & CO-CURRICULAR ACTIVITIES**

* Organized and competed in annual cricket, volleyball, and badminton tournaments, achieving a 40% increase in team participation, enhancing team collaboration and morale through strategic planning and communication.
* Strengthened team collaboration through strategic planning and inclusive leadership.