

Kenche Koushik

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SKILLS

- **Programming Skills:** Python, Java, C, C++, HTML, CSS, SQL, PL/SQL
- **Tools and Libraries:** NumPy, Pandas, Scikit-Learn, Oracle, MySQL, Google Colab, MS Office, MongoDB, Canva, Matplotlib
- **Soft Skills:** Problem-Solving, Team player, Quick learner, Adaptability, Active listener, Self-Motivation

PROJECTS

Sentiment Analysis | *Github*

November, 2024

- Developed a sentiment analysis model combining Logistic Regression and Naïve Bayes with word embeddings for improved classification.
- Preprocessed text through tokenization, stopword removal, and contraction handling for better feature representation.
- Optimized model performance using hyperparameter tuning and evaluated with accuracy, precision, recall, and F1-score.
- Achieved high classification accuracy, showcasing the effectiveness of ML algorithms with word embeddings.

Tech: Python, Pandas, Numpy, Scikit-Learn, Google Colab, Matplotlib

Car Price Prediction Model | *Github*

July, 2024

- Built an ML-based model to estimate car prices using historical data and vehicle attributes.
- Applied linear regression to assess the impact of features like mileage, engine size, year of manufacture, and brand.
- Conducted exploratory data analysis (EDA) to identify patterns, correlations, and hidden insights for better interpretability.
- Preprocessed data by handling missing values, encoding categorical variables, and normalizing numerical features.
- Achieved 84% testing accuracy, demonstrating high reliability in price estimation.

Tech: Python, Pandas, Numpy, Scikit-Learn, Matplotlib, Seaborn, NLTK

SUMMER TRAINING

Competitive Programming | *Spruce*

June - July, 2024

- Gained knowledge on core concepts of Data Structures and Algorithms, and enhanced analytical skills to efficiently utilize data structures.
- Improved problem-solving skills by tackling complex DSA problems.

Artificial Intelligence | *Allsoft Solutions*

June - July, 2024

- Implemented many models using logistic regression, linear regression, data visualization using matplotlib and basic concepts of natural language processing and neural networks.
- Built a prediction model and also received a badge from IBM SkillsBuild.

CERTIFICATES

- Build Your Own Chatbot | *IBM SkillsBuild* July, 2024
- Introduction to MongoDB for Students | *MongoDB* July, 2024
- Introduction to Large Language Models | *Google Cloud* February, 2024
- Cloud Computing | *NPTEL* October 2024

ACHIEVEMENTS

- **Has been placed on University Honor:** August, 2023
As an appreciation for excellent academic performance
- **One among Dean's top 10% students at University:** September, 2024
For good academic performance and extra-curricular activities at University.
- **Secured Rank 4821:** January, 2025
Among 25k+ participants in LeetCode Biweekly Contest 147

EDUCATION

- **Lovely Professional University** Punjab, India
*Bachelor of Technology - Computer Science and Engineering; CGPA: 8.61** Since August 2022
- **Deeksha Junior College** Hyderabad, Telangana
Intermediate; Percentage: 97% April 2020 - March 2022
- **Vignan Bo Tree School** Hyderabad, Telangana
Matriculation; Percentage: 90% April 2019 - March 2020