

Github

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## EDUCATION

<b>Vishnu Institute of Technology</b>	<b>2022-2026</b>
B. Tech, CSE (Artificial Intelligence and Data Science)	CGPA:8.93
<b>Narayana Junior College</b>	<b>2020-2022</b>
MPC	Percentage: 94.6
<b>Montessori High School</b>	<b>2020</b>
SSC	Percentage: 100

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## PROJECTS

### COVID-19 Data Analysis

- Built an end-to-end machine learning solution using Python and Jupyter Notebook for predicting California housing prices, including data preprocessing, feature engineering, model training, evaluation, and serialization.
- Integrated a Flask-based web interface for real-time user input and price prediction, and implemented a deployment-ready architecture combining backend inference with dynamic frontend templates.

### California House price Prediction

- Pre-processed the California housing dataset and performed feature engineering before training a Ridge Regression model for accurate price prediction and performed model evaluation to ensure reliability.
- Deployed the trained model locally using Flask and .pkl files, creating a dynamic web interface that enabled real-time predictions based on user input.

### Named Entity Recognition

- Built a Named Entity Recognition system using a BiLSTM model trained with Keras, leveraging token and tag mappings for sequence labeling. Prepared and preprocessed data, encoded tokens, and saved the trained model along with necessary dictionaries.
- Developed a Flask web application to deploy the NER model locally, enabling real-time entity extraction from user input. Integrated model loading, preprocessing, prediction, and result display through a clean HTML interface.

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## SKILLS

- Languages :** Python, SQL
- Tools:** GitHub, Jupyter Notebook, Visual Studio Code, Tableau
- Technologies and Libraries:** Numpy, Pandas, SciPy, Matplotlib, Seaborn, Plotly, Dash, Folium, Scikit-learn
- Databases:** MySQL, MongoDB
- Technical Skills:** Data Cleaning and preparation, Machine Learning, Data Analytics
- Soft Skills:** Analytical thinking, Problem Solving, Mathematical and Statistical reasoning, team collaboration

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## CERTIFICATES

- Edx|IBM Visualizing Data with Python | [CERTIFICATE](#)
  - NPTEL Data Analytics with Python | [CERTIFICATE](#)
  - Edx| IBM SQL for Data Science| [CERTIFICATE](#)
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## DECLARATION

I declare that all the information provided above is true and accurate to the best of my knowledge. I take full responsibility for the correctness of the details shared in my resume.