

# SHRESTHA DEY

Jamshedpur, Jharkhand

☎ [+91-6203722291](tel:+91-6203722291)

✉ [deyshrestha42@gmail.com](mailto:deyshrestha42@gmail.com)

🌐 [shresthadey2211](https://www.linkedin.com/in/shresthadey2211)

## EDUCATION

VIT Bhopal University

B.Tech in Computer Science, specialization in AI&ML - **CGPA - 9.01**

September 2023 – September 2027

Sehore, India

## PROJECTS

VoteBox | Solidity, EVM

May 2025

- Established a decentralized voting system on Blockchain. Designed it to provide a transparent and immutable platform where participants can pitch votes for registered candidates, ensuring that each voter can participate only once.
- Built the contract in such a way that it differentiates between an owner and regular users. The owner manages candidate registration and regular users can cast votes, thereby creating a controlled yet publicly demonstrable and confirmable voting mechanism.

Sales Forecasting and Data Enrichment | Python, Pandas, CatBoost, Upgini

July 2025

- Developed a system to facilitate in predicting 3 months of future sales for various items across 10 different stores. This comes under a typical time-series forecasting problem.
- Implemented enriching features with tools like Upgini and curtailed baseline Symmetric Mean Absolute Percentage Error from **37.65%** to enriched Symmetric Mean Absolute Percentage Error of **3.51%**. Obtained an improvement of about **90.66%**.

House Price Prediction | Python, Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn, OS

July 2025

- Instigated a linear regression model to predict housing prices based on a comprehensive California housing dataset. Devised the model with the aim that stakeholders can gain insights into the factors affecting property prices.
- Coded a model which is a relatively more enlightened and rational decision-maker for buyers, sellers and real estate agents. The structured pre-processing of the model enhances its performance which is quantitatively appraised using Mean Squared Error (MSE) and R-squared ( $R^2$ ) score on validation and test sets.

## TECHNICAL SKILLS

Languages: Java, SQL

Developer Tools: VS Code, Google Colab

Technologies: Blockchain, GitHub, Git

Frameworks: Pandas, NumPy, Matplotlib, Scikit-learn

## LEADERSHIP & EXTRACURRICULAR ACTIVITIES

- Spearheaded the **North East Club's content** team's output by consistently leveraging a compelling poetic flair into various materials. Honed *leadership* skills, *team management*, *articulation techniques* and cultivated my *decision-making* proficiency throughout the process.
- Actively engaged in **sports** during the Annual College Fest - *Advitya*. Experienced the blend of the three worlds: Collaboration, commitment and chairing.
- Volunteered in *conducting* various recurrent **non technical events**. Mastered *management abilities*, *comprehension* and *acuity*.

## CERTIFICATIONS

• Blockchain Developer - IBM Career Education Program

• Cloud Computing - Nptel