

# VISHWAJEET SHEWALE

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## Education

<b>Vellore Institute of Technology, Chennai</b>	<b>(2021 - Present)</b>
● <i>Integrated MTech in Computer Science in Business Analytics</i>   CGPA: <b>7.14</b>	
<b>Vidyamandir HighSchool and Junior College, Maharashtra</b>	<b>(2020 - 2021)</b>
● <i>(Class XII), Percentage: 89.50 %</i>	
<b>Vidyaniketan English Medium School, Maharashtra</b>	<b>(2018 - 2019)</b>
● <i>(Class X), Percentage: 82.40 %</i>	

## Skills and Tools

**Technical Skills:** Python | SQL | NoSQL | HTML | CSS | Prototyping | Wireframing | Sitemaps | Java | Linux | Windows

**Tools:** Power BI | MySQL | MongoDB | Figma | Git | GitHub | Microsoft Excel

**Soft Skills:** Team Player | Communication | Time Management | Work Ethic | Creative Thinking

## Projects

### Exploratory Data Analysis for Mobile Price Prediction:

- Developed a predictive model for mobile phone prices across e-commerce platforms (Amazon, Flipkart, BigCMobiles, Reliance) using machine learning techniques (Random Forest, Gradient Boosting), optimized with Particle Swarm Optimization (PSO) and Genetic Algorithms.
- Implemented Explainable AI to enhance model transparency, enabling data-driven decision-making for consumers and businesses by analyzing pricing trends and key influencing factors.

### Prediction of Rates of Real Estates:

- Performed Exploratory Data Analysis (EDA) on the Boston Housing dataset to identify key factors affecting real estate prices, using visualization techniques and statistical methods.
- Designed and enhanced a predictive model leveraging Random Forest, Principal Component Analysis (PCA), and feature selection methods for precise house price estimation.

### Personalized and Diverse Tourism Recommendations:

- Built a hybrid recommendation system leveraging Collaborative Filtering, BERT-based embeddings, and Alternating Least Squares (ALS) to generate personalized and diverse tourism recommendations.
- Implemented advanced NLP techniques using BERT to extract semantic insights from tourist destinations, enhancing recommendation accuracy and diversity while mitigating the cold-start problem.

## Volunteer Experience

### Swarajya - Marathi Literacy Association, VIT Chennai | Advisory

- Collaborated with club members to define and achieve short-term and long-term goals through strategic planning
- Advised on marketing strategies to boost event attendance and engagement. This included digital marketing, social media campaigns, and traditional methods like posters and flyers.

### Enactus Organization, VIT Chennai | Member

- Created strong working relationships and collaborated with other team members.
- Sought creative and constructive suggestions to improve overall event performance.

## Extracurricular Achievements

- Competed in the inter-department college football tournament, demonstrating teamwork, strategy, and sportsmanship.
- Successfully participated in elementary and intermediate drawing exams during school, showcasing artistic skills and creativity.

## Languages

- English
- Hindi
- Marathi
- German -A1