

# JANAPATI SANDEEP

ACADEMIC PROFILE			
Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Mining Engineering IIT (BHU), Varanasi	8.00	2025
TSBIE (XII)	Narayana IIT academy, raviryala	98.20	2021
TSBSE (X)	Aakanksha High school	95.00	2019
SKILLS			
<ul style="list-style-type: none"><li>• <b>Programming Languages</b> : Python, SQL, C</li><li>• <b>Major Python Libraries</b> : Pandas, NumPy, Matplotlib, Seaborn, TensorFlow, Keras, Scikit-learn, PyTorch</li><li>• <b>Tools and Technologies</b> : Microsoft Excel, Tableau, Power BI, MySQL, GitHub, Jupyter Notebook</li><li>• <b>Soft Skills</b> : Strategic Thinking, Problem Solving, Decision Making, Time Management, Team Collaboration</li></ul>			
INTERNSHIP/TRAINING			
<b>Data Science Intern at Unified Mentor</b>		June 2024 - July 2024	
<ul style="list-style-type: none"><li>• Successfully completed two comprehensive projects titled <b>Budget Sales Analytics</b> and <b>Financial Analytics</b>.</li><li>• Performed detailed Exploratory Data Analysis (EDA) to extract meaningful insights and trends from the provided data.</li><li>• Developed advanced interactive dashboards in <b>Tableau</b> to visualize key metrics and relationships between attributes.</li><li>• <b>Exposure</b> : Python, Tableau, Pandas, NumPy, Matplotlib, Seaborn.</li></ul>			
PROJECTS			
<b>Prediction of Ground Vibration induced due to Rock Blasting</b>			
<i>Undergraduate Project under Dr. Sanjay Kumar Palei, Associate Professor at IIT (BHU) Varanasi</i>			
<ul style="list-style-type: none"><li>• Developed a machine learning model to predict ground vibration caused by rock blasting in mining operations</li><li>• Performed data cleaning by handling missing values and scaling features to ensure optimal model performance</li><li>• Designed and implemented an Artificial Neural Network (ANN) model to accurately predict ground vibration levels</li><li>• <b>Exposure</b> : Python, Pandas, NumPy, Matplotlib, TensorFlow, Scikit-learn, Neural Networks, Data Preprocessing</li></ul>			
<b>Feature Extraction from Images</b>			
<ul style="list-style-type: none"><li>• Developed an OCR based application to extract numerical values and units from images</li><li>• Implemented text cleaning, unit matching and prediction using EasyOCR, PyTesseract and predefined dictionaries</li><li>• Developed a program to calculate the highest numerical values along with their corresponding units for various entities</li><li>• <b>Exposure</b> : Python, Pandas, OpenCV, EasyOCR, PyTesseract, tqdm, Regex, Image Processing</li></ul>			
<b>Predicting Car Prices using Machine Learning</b>			
<ul style="list-style-type: none"><li>• Developed a PyTorch based machine learning model for car price prediction using numerical and categorical data</li><li>• Implemented dataset preprocessing by scaling features and converting categorical columns to numeric values</li><li>• Created, trained and validated a linear regression model using PyTorch achieving minimum validation loss</li><li>• <b>Exposure</b> : Python, Pandas, PyTorch, Data Preprocessing, Linear Regression, Model Training, Model Optimization</li></ul>			
POSITION OF RESPONSIBILITY			
<b>Event Executive for Technex 2023</b>		Feb 2023 - Mar 2023	
<ul style="list-style-type: none"><li>• Conducted an Auction based game <b>Fake Investors</b>, where participants bid on startup ideas using virtual money.</li><li>• Created a formula based code in <b>Microsoft Excel</b> for the successful administration and management of the Event.</li></ul>			
<b>Design Executive for Spardha 2022</b>		Aug 2022 - Oct 2022	
<ul style="list-style-type: none"><li>• Worked in a team of 13 to design a variety of <b>creative posters</b> using <b>Adobe Photoshop</b> and <b>Adobe Illustrator</b>.</li><li>• Worked with the team to create and implement visual branding, signage, and promotional materials for the fest.</li></ul>			
HONOURS AND ACHIEVEMENTS			
<ul style="list-style-type: none"><li>• <b>LeetCode</b> : Achieved a maximum contest rating of <b>1473</b> on the LeetCode coding platform.</li></ul>			
EXTRA-CURRICULAR ACTIVITIES			
<ul style="list-style-type: none"><li>• <b>CYCLOTHON</b> : Participated in CYCLOTHON of SPARDHA'22 and completed a record distance of <b>100 Km</b></li></ul>			

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