

## Saurav Yadav

[+91-9263993252](tel:+91-9263993252)

<https://www.linkedin.com/in/iamsaurav07>

[sauravyadav.vvs@gmail.com](mailto:sauravyadav.vvs@gmail.com)

[saurav.219301078@mu.j.manipal.edu](mailto:saurav.219301078@mu.j.manipal.edu)

Education	Technical Skills
<b>B.E. in Computer Science Engineering (2021-25)</b> Manipal University, Jaipur (6.95 /10) <b>Valley View School, Jamshedpur</b> Qualified AISSCE (12) with 75.5% (2021) Qualified AISSCE (10) with 75% (2019)	<b>Languages:</b> Python, C, Java <b>Database:</b> MySQL <b>Frameworks/Library:</b> Flask <b>WebDev:</b> HTML, CSS(Frontend) <b>Technology:</b> Machine learning , Power BI, Tableau

### Internship Experience

<b>Data Scientist, Tata Steel (Jamshedpur)</b>	<b>June 2024 - Present</b>
<ul style="list-style-type: none"><li>Performed <b>Exploratory Data Analysis(EDA)</b> on the Sinter Plant Stack Emission Dataset to find <b>correlations of different parameters to output</b> using data cleaning, data transformation, outlier treatment.</li><li>Working on <b>prediction model</b> using <b>regression</b> process through studying different model such as <b>ARIMA, SARIMAX, LSTM</b> and other concepts. (ongoing)</li><li>It is a implementation of 14 parameters with a wide data variation to predict output.</li></ul>	

### Project's

<b>Autonomous Vehicle Using Road Sign Recognition</b>	<b>Jan 2024 - May 2024</b>
<ul style="list-style-type: none"><li>Developed a <b>Convolutional Neural Network (CNN)</b> Model using <b>Preprocessing Pipeline</b> for image classification.</li><li>(CNN) model adopts the <b>LeNet architecture</b>.</li><li>Done advanced image processing techniques, including RGB to grayscale conversion, histogram equalization, and normalization,</li><li>Read multiple research papers, focusing on sign detection, sign relevance, and text recognition.</li><li>On research I found large dataset and fine-tuning a pre-trained CNN model can significantly improve traffic sign classification performance.</li><li>A traffic sign classification system using the <b>GTSRB dataset</b> achieved a <b>99.77% accuracy rate</b>. The system was able to classify various traffic signs in real-world scenarios</li><li><b>Technologies:</b> Machine Learning</li></ul>	
<b>Full Stack Developer, E-Commerce Website</b>	<b>Aug 2023 – Dec 2023</b>
<ul style="list-style-type: none"><li>Developed a website with a back end for the E-Commerce as a college project.</li><li>Developed a front-end where there are 3 types of users such as Buyer, seller, server. With different functionality such as buying, selling, adding or removal of product from database.</li><li>Backend was managed using flask and MySQL.</li><li><b>Technologies:</b> HTML,CSS, JavaScript, Flask, MySQL</li></ul>	
<b>IRIS Flower Classification</b>	<b>10 Feb 2022 - 10 Jul 2022</b>
<ul style="list-style-type: none"><li>Performed EDA and used K-Nearest Neighbors (KNN) as classification model for 150 sample datasets.</li><li><b>Key Skills:</b> Machine Learning &amp; k-Nearest Neighbours Algorithm</li></ul>	

### Positions of Responsibility

- Captain And Vice-Captain School Sports House (2017-19)** : Lead our house for 2 consecutive years in sports.
- Head of logistics, Onieros:** Lead a group of 20 people for logistics of college main cultural fest.