

# Nihal Yadav

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## SKILLS

<b>Languages:</b>	Python, Java, C++, R
<b>Frameworks:</b>	Pytorch, HTML and CSS
<b>Tools/Platforms:</b>	Power BI, Tableau, MySQL server
<b>Soft Skills:</b>	Problem-Solving Skills, Team Player, Project Management, Adaptability

## TRAINING

<b>Cipher Schools (Edtech Company)</b>	June 2024
Python, Data Science and Machine Learning	
<ul style="list-style-type: none"><li>Gained in-depth knowledge of Python programming, data science workflows, and machine learning algorithms, including supervised and unsupervised learning techniques.</li><li>Enhanced practical skills in data manipulation, analysis, and visualization using tools like Pandas, NumPy, Matplotlib, Seaborn, and Scikit-learn, alongside real-world project implementations.</li><li>Led a data cleaning and transformation project for a mall customer segmentation analysis, preparing and preprocessing customer data before creating an interactive dashboard to visualize segmentation results and customer insights.</li></ul>	

## PROJECTS

<b>Image Classification Model</b>   Python, Pytorch, matplotlib	Dec 24
<ul style="list-style-type: none"><li>Developed an image classification model in PyTorch using a CNN to predict steak, pizza, or sushi images, achieving 91% accuracy on the test set through CrossEntropyLoss and Adam optimizer.</li><li>Preprocessed and organized a custom food image dataset into training, validation, and test sets for optimal performance and model generalization.</li><li>Created a user-friendly inference script for image predictions with confidence scores and designed interactive visualizations for training metrics and confusion matrices, enhancing model interpretability.</li></ul>	
<b>IPL 2024 Analysis Project</b>   Power BI, Excel, Python	June 24
<ul style="list-style-type: none"><li>Built a comprehensive data pipeline to collect, clean, and preprocess IPL data from 2008-2024 using Python and Excel for accurate analysis.</li><li>Utilized Power BI to transform, model, and create relationships in the data, defining player roles (e.g., openers, bowlers) for role-specific insights.</li><li>Expanded key performance metrics (batting average, strike rate, bowling economy) and created interactive Power BI dashboards for actionable insights.</li></ul>	

## CERTIFICATES

Data Analysis with Tableau   Tableau Learning Partner	Nov 24
Cloud Computing   NPTEL	Oct 24
Supervised Machine Learning   DeepLearning.AI	Oct 24

## ACHIEVEMENTS

<ul style="list-style-type: none"><li>Solved 100+ LeetCode questions, improving proficiency in data structures and algorithms</li><li>Secured a top 100 rank in a LeetCode coding contest, demonstrating strong problem-solving skills and competitive programming expertise.</li><li>Organized 'Web-A-Thon,' a 24-hour hackathon on web development and AI, partnering with AERIV to optimize event management for 400+ participants.</li></ul>	
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## EDUCATION

<b>Lovely Professional University</b> <i>Bachelor of Technology - Computer Science and Engineering; CGPA: 7.25</i>	Punjab, India Since August 2022
<b>R.K. Mission School</b> <i>Intermediate; Percentage: 76%</i>	U.P, India March 2022
<b>R.K. Mission School</b> <i>Matriculation; Percentage: 72%</i>	U.P, India March 2020