



Kartikesh Singh

  +91 89603493113 | * Lucknow, Uttar Pradesh

Education

VIT Bhopal University	June 2026
<i>B.Tech. Computer Science Engineering</i>	<i>Current GPA: 7.96</i>
Army Public School, Lucknow	Jul 2020 - Jul 2021
<i>C.B.S.E (Class XII)</i>	<i>Percentage: 85%</i>

Skills

- Languages:** Python, Java, C++, SQL, JavaScript, HTML/CSS
- Tools:** Git/GitHub, Excel, Tableau, Streamlit
- Libraries:** pandas, NumPy, Matplotlib, Seaborn, TensorFlow, PyTorch

Experience

Preprod Corp — <i>Data Analyst Intern</i>	Aug 2024 – Nov 2024
<ul style="list-style-type: none">Implemented computer vision algorithms using YOLO for real-world traffic optimization, resulting in improved traffic flow analysisDeveloped and fine-tuned ML models with performance tracking using MLflow, enhancing model accuracy and maintainabilityProcessed streaming data using Apache Kafka and performed image manipulation with kernels for edge detection tasksCollaborated in Agile Scrum sprints, working on data processing and enrichment pipelines to improve data quality	

Projects

AutoML Streamlit App	Aug 2023
<ul style="list-style-type: none">Engineered a comprehensive AutoML platform using Streamlit that processes multiple data formats (CSV/XLSX), reducing model development time by 70%Implemented robust data preprocessing pipeline utilizing Pandas and NumPy, featuring automated cleaning and custom transformation optionsIntegrated advanced ML models from Scikit-learn, XGBoost, and TensorFlow, achieving 85% accuracy across various classification and regression tasksDeveloped interactive dashboards with Matplotlib and Seaborn for real-time visualization of model metrics and performance insights	
Social Media Engagement Analysis Bot — Supermind Hackathon <i>Python, Langflow, AstroDB</i>	Jan 2024
<ul style="list-style-type: none">Engineered automated web scraping pipeline using RapidAPI to collect data from Instagram processing 100+ posts dailyDeveloped engagement analytics system with Python to calculate metrics like reach, interactions, and content performance, improving user insights by 85%	

- Implemented data pipeline using **Langflow** and **AstroDB** for storing and processing social media data, enabling real-time content analysis
- Built interactive AI chatbot interface that analyzes user's social media performance and provides actionable content strategy recommendations

Anime Otaku : Chat platform for Anime enthusiasts | *Javascript, React, Tailwind*

Nov 2024 - Present

- Dynamic anime community website where enthusiasts can interact directly in dedicated community room for different anime.
- Real-time chat updates for seamless communication and instant interaction among users

Achievements

Hackathon Achievement

August 2024

- Placed **3th out of 40 teams** in competitive hackathon, demonstrating exceptional teamwork, creativity, and rapid problem-solving skills
- Developed innovative project under time constraints, showcasing adaptability and technical innovation

Competitive Programming

- Solved **100+ problems** on LeetCode and GeeksforGeeks, highlighting strong analytical skills and algorithmic problem-solving in Java and Python
- Enhanced proficiency in data structures, dynamic programming, and system design through consistent practice

Additional

Languages: English(Fluent); Hindi(Fluent),Japanese(Beginner)

Certifications/Training :JLPT N5 ; Deep Learning by Jeremy Howard; HTML, CSS, and Javascript for Web Developers

Hobbies : Blogging and Novel Reading ; Playing the Guitar; Traveling and Exploring New Cultures