

# Ritik Chauhan

 [Ritik](#) |  [Ritik](#) |  [ritikchauhan2068@gmail.com](mailto:ritikchauhan2068@gmail.com) |  +916397509639 |  [Portfolio](#) | [Leetcode](#)

## Profile

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Aspiring ML Engineer with hands-on experience in machine learning, data science, and MLOps. Skilled in Python, Pandas, ML algorithms, and deployment pipelines. Passionate about solving real-world problems using data-driven solutions. Certified in Generative AI by IIM Mumbai in collaboration with MIT & NSDC.

## Skills

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- **Programming & Scripting:** Python, SQL, Basic C++.
- **Data Science & Machine Learning:** Data Analysis, Machine Learning, Statistics, NLP, Flask.
- **Visualization & Analytics:** Power BI, Tableau, Web Scraping
- **DevOps, MLOps & Version Control :** Docker, MLOps (model Deployment), Git and Github

## Personal Project

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### Flat Recommendation System [\[LINK\]](#)

- Built a Flat Recommendation System using Python, BeautifulSoup for web scraping, and scikit-learn to analyze 10,000+ listings from 99acres.
- Achieved 85% recommendation accuracy, improving personalized property suggestions for users.

### Vehicle Insurance Prediction [\[LINK\]](#)

- Developed a machine learning model to predict customer vehicle insurance purchases, achieving 87% accuracy.
- Optimized feature selection and hyperparameters, enhancing model performance and generalization.

### Netflix Dashboard [\[LINK\]](#)

- Designed an interactive Netflix dashboard using Tableau to analyze 5,000+ titles, uncovering trends in genres, production countries, and release years.
- Optimized dashboard performance by implementing filters, drill-downs, and calculated fields for responsive, user-friendly navigation.

## Work Experience

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### Machine Learning Engineer | INTERNPE (Feb – March 2024)

- Collaborated with senior developers to build an IPL match outcome prediction system using Python and scikit-learn, improving feature integration efficiency by 30%.
- Implemented hyperparameter tuning and reducing prediction error by 20% and improving model accuracy.

## Education

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- **B.Tech [Computer Science]** – Chaudhary Charan Singh University, Meerut (2021 - 2025)
- **INTERMEDIATE (CBSE)** – DAV Centenary Public School, Haldwani (2020)

## Certifications

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- **Generative AI for Data-Driven Business Decision-Making- IIM Mumbai [\[Link\]](#)** - 32-hour advanced course in collaboration with MIT & NSDC, focused on real-world applications of Generative AI for strategic business decisions.
- **Python and C++ [\[Link\]](#)** – Udemy
- **Machine Learning and Data Science** - CampusX

## Leadership Experience

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- **AI/ML Hackathon [Team Leader]** – Led 5 member team in a college level AI/ML hackathon competing against 20+ teams. Developed an innovative machine learning solution within a limited time period.
- **Data Analysis Hackathon [Team Leader]** – Designed and deployed an interactive data analysis dashboard, handling 100,000+ data points. Presented in front of a panel of judges
- **Generative AI Hackathon – IIM Mumbai (2025)** – Participated in a Generative AI hackathon during the IIM Mumbai certification program, solving real-world data-driven business challenges using advanced GenAI models.