

# SAUBHAGYA MISHRA

“Data Analyst | AI & Machine Learning Enthusiast | Tableau & Data Visualization”

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Research: Apni Jagah

## Education

- IMS Engineering College** Ghaziabad, Uttar Pradesh, India  
Bachelor of Technology - Computer Science Engineering; CGPA: 6.21  
2021-2025  
**Courses:** Operating Systems, Data Structures, Data Analysis And Algorithm, Artificial Intelligence, Machine Learning Techniques, Computer Networking, Database Management System, Project Management & Entrepreneurship, Compiler Design, Database Management System, Big Data, Computer Organization and Architecture, Operating Systems.
- Pinewood School** Saharanpur, Uttar Pradesh, India  
CBSE Board Class XII Percentage: 66%  
2020-2021

## Skills Summary

- Programming:** Python, SQL.
- Data Visualization:** Tableau, Power BI, Excel (Pivot Tables, Charts, Basic Functions)
- Data Analytics:** Exploratory Data Analysis (EDA), Data Cleaning, Basic ETL, A/B Testing Concepts
- Tools:** Excel, Git, PowerPoint, Word.

## Experience

### Data Analyst Intern (6 Months)

Hybrid

- Project-Based Learning** – Focused on developing innovative projects (TechTrove & Trendify) with a cross-functional team.
- Role as Data Analyst** – Led the data analysis segment, ensuring data-driven decision-making.
- User Interaction Analysis** – Used SQL and Python to analyze user behavior and trends.
- Insights for Website Engagement** – Identified key patterns to enhance user experience and engagement.
- Feature Development** – Designers Portal – Introduced a new feature through analysis: the Designers Portal, enhancing accessibility for designers.
- Data-driven enhancements** – Collaborated with teams to implement optimizations, leading to a 20% increase in user retention.
- Business & Technical Integration** – Combined data analytics, business insights, and technology to improve client satisfaction.

## Projects

### Customer Behavior Analysis | SQL, Python, Business Analytics

- Built an end-to-end data pipeline for customer analytics.
- Automated data ingestion and structured data in SQL.
- Performed customer segmentation, sentiment analysis & retention analysis.
- Delivered data-driven recommendations to improve conversions & engagement.

### Apni Jagah – AI-Driven Real Estate Platform

- Role as Data Analyst** – Conducted data collection, preprocessing, and feature engineering to build accurate property price prediction models.
- Machine Learning Implementation** – Leveraged Random Forest models, achieving 90%+ accuracy in price predictions and reducing fraud by 85%.
- Research & Data Insights** – Analyzed market trends, historical data, and pricing patterns to optimize model performance.
- Fraud Detection & Verification** – Developed document verification mechanisms to enhance transaction security.
- Smart Recommendations** – Designed data-driven deal recommendations and neighborhood price analysis for better decision-making.
- Future Enhancements** – Researched blockchain for secure transactions and AR-based property tours to position it as a next-gen real estate solution.
- Technology Stack** – Built the server using Python and developed the frontend with React for a seamless user experience.

## Research

- Title: Apni Jagah: An AI-Driven Platform for Real Estate Price Prediction and Transaction Transparency:**  
"Developed Apni Jagah, an AI-powered real estate platform leveraging Random Forest for 90%+ accurate price predictions and reducing fraud by 85% through smart deal recommendations and document verification. It enhances market transparency, streamlines buyer-seller transactions, and improves decision-making with data-driven insights. Future advancements include blockchain integration for secure deals and AR-based virtual property tours to revolutionize the real estate industry." [Link](#)

## Certificates/Achievements

- Certification of completion in Python from Guvi HCL Tech.
- Certification of completion of web development from GFG in technology HTML, CSS, and JavaScript.
- Certification of Artificial Intelligence i.e. (AI-102) from ICTAcademy by Honeywell.
- Certification of successful research paper presentation in E2ACON2025 (Springers Conference at NIT Jalandhar, Punjab).
- Certification of Research paper reviewer CE2CT2025 (IEEE Conference at Graphic Era Hill University, Bhimtal, Uttarakhand)

## Leadership & Academic Contributions

- Paper Presentation – E2ACON 2025 (Springer Conference)**  
Presented original research work titled “Apni Jagah: An AI-Driven Platform for Real Estate Price Prediction and Transaction Transparency” at Springer's International Conference on Emerging Technologies for Advanced Computing (E2ACON 2025).
- Reviewer – CE2CT 2025 (IEEE Conference)**  
Served as a peer reviewer for an IEEE-affiliated conference organized by Graphic Era Hill University, contributing to academic quality assurance and paper evaluations.
- Led my team in the **Accenture Innovation Challenge**, integrating AI into **AIRecruiter** for innovative recruitment solutions
- Worked on various innovative projects/initiatives in the college.
- Leading college group projects for the past two years.