

# Mayank Sharma

IIT Jodhpur – AI & Data Engineering Student

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## SUMMARY

AI and Data Engineering student at IIT Jodhpur with hands-on experience in machine learning, data analytics, automation, and intelligent systems. Strong at translating complex data into actionable insights through clean analysis, visualization, and production-ready ML applications. Experienced with GenAI tools, secure systems, and end-to-end project deployment.

## SKILLS

**Data & AI:** Machine Learning, Data Science, Data Analytics, Statistical Modeling, Data Cleaning, Data Extraction, Data Visualization

**Programming & Databases:** Python, SQL, NoSQL, SQLite, Automation

**Tools & Platforms:** Power BI, Advanced Excel, MS Excel, VS Code, GitHub, Netlify, Google Analytics

**GenAI Tools:** ChatGPT, Cursor, Windsurf, GitHub Copilot

**Web & Frontend:** JavaScript, Frontend Development, Wix

**Communication:** Report Writing, Research & Analytics, Creative Writing, Copywriting, English Proficiency (Written & Spoken)

## PROJECTS

### Customer Churn Prediction (Production ML App)

GitHub

*Machine Learning, Streamlit, Docker*

Built a production-ready ML pipeline with Streamlit UI, Docker containerization, and CI/CD workflow.

Performed feature engineering, model evaluation, and deployment-focused optimization.

### Loan Approval Prediction

GitHub

*Supervised Learning, Data Analysis*

Developed predictive models to assess loan eligibility using structured financial data.

Applied data preprocessing, feature selection, and performance metrics.

### Fake Review Detection

GitHub

*NLP, Machine Learning*

Designed ML workflows to identify fraudulent reviews using textual features.

Improved model reliability through preprocessing and validation techniques.

### Face & Emotion Recognition

GitHub

*Computer Vision, Python*

Implemented facial and emotion recognition using computer vision techniques.

Processed real-time webcam input for emotion classification.

### Virtual Mouse Using Hand Tracking

GitHub

*Computer Vision, Automation*

Created a gesture-controlled virtual mouse using webcam-based hand tracking.

Enabled touchless cursor movement and click actions.

### Personal Portfolio Website

Click here

*JavaScript, Web Development*

Designed and deployed a personal portfolio showcasing projects and skills.

Focused on clean UI, responsiveness, and professional presentation.

**More Projects:** [github.com/Mayank-iitj](https://github.com/Mayank-iitj)

## EDUCATION

### Indian Institute of Technology Jodhpur

Jodhpur, India

*BS/BSc in AI & Data Engineering*

2024 – Present