

# NISHITA SINGH

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## Summary

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Aspiring AI/ML researcher with a solid foundation in machine learning, deep learning, and data science. Passionate about leveraging AI for impactful solutions. Seeking an AI/ML research internship to contribute innovative solutions and enhance research expertise.

## Skills

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**Programming:** Python, C, C++, JavaScript

**Machine Learning:** TensorFlow, PyTorch, Scikit-learn, OpenCV, NLP

**Full-Stack Development:** HTML, CSS, JavaScript, React, Node.js, Express.js, MongoDB

**Data Science:** Pandas, NumPy, Matplotlib, Seaborn

**Tools:** Git, GitHub, Linux, Jupyter, Google Colab

## Education

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**Rajasthan Technical University, Kota, India**  
**CGPA (II Sem): 7.89**

**Aug 2023 – June 2027**

## Projects

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### Heart Disease Prediction

[GitHub](#) 

- Built a logistic regression model achieving 90% accuracy.
- Preprocessed UCI dataset and optimized feature selection.

### WhatsApp Chat Analysis

[GitHub](#) 

- Developed an NLP-based sentiment analysis tool.
- Extracted user insights, message trends, and most-used words.

### Fake News Detection

[GitHub](#) 

- Implemented TF-IDF vectorization and PassiveAggressive classifier.
- Trained the model on real-world datasets for high accuracy.

### Diabetes Prediction

[GitHub](#) 

- Applied decision trees and logistic regression for early diabetes detection.
- Analyzed patient data to identify key risk factors.

### Car Price Prediction

[GitHub](#) 

- Built a regression model to estimate car prices based on features.
- Optimized predictions using feature selection techniques.

## Experience & Certifications

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### Python & ML Trainee — Think Wave Tech

*Dec 2024*

- Developed predictive models and worked on real-world datasets.
- Focused on data preprocessing, feature engineering, and model training.

### Google ML Crash Course

[badge Link](#)

- Completed hands-on training in machine learning fundamentals.

## Extracurricular & Leadership

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**IIC CELL — RTU, Kota** - Contributed to tech development and project management.

**REACT Club — RTU, Kota** - Hands-on experience in cybersecurity.