

# Krishnadiya Singh Rajora

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## Skills

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- Languages - Python, C++, C, HTML, CSS, Javascript
- Major - AI Development, Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Neural Networks
- Data - PowerBI, Excel, Tableau, Statistical Analysis, SQL, AWS, Data Analysis
- Minor - Data Structures, OOPs, Java, Blender, Unreal Engine, Unity, Logo Designing
- Professional Skills - Communication, Team work, Problem Solving
- Spoken Languages - Hindi (Native), English (Fluent), Japanese (Beginner)

## Education

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- B.E. – BMS College of Engineering – VTU University – 2024 – Artificial Intelligence and Machine Learning
- 12th – Lord Buddha Public School, Kota – 2020 – Science + Mathematics
- 10th – Hindustan Zinc School, Chittorgarh – 2018

## Projects

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### Hate Speech Detection Using ML and NLP

- Objective: Develop a learning loop to accurately detect hate speech
- Techniques Used: Machine Learning algorithms, Natural Language Processing (NLP) techniques, Neural Network, Optimization Algorithms, Activation Functions
- Evaluation Metrics: Confusion Matrix, Value Loss, Mean Square Error (MSE)
- Accuracy Achieved: 97

### Lip Reading Using CNN and BI-LSTM

- Objective: Develop a model to recognize spoken words by analyzing lip movements
- Techniques Used: Convolutional Neural Networks (CNN) for feature extraction, Bidirectional Long Short-Term Memory (BI-LSTM) for sequence modeling, Deep Learning for speech recognition from video input
- Evaluation Metrics: Accuracy, Loss function analysis
- Accuracy Achieved: 89

### Credit Risk Management System

- Objective: Develop a model to assess and predict credit risk for financial institutions and determine if a person is eligible for the Loan amount requested.
- Techniques Used: Hypothesis Testing for statistical validation, Statistical Analysis to identify key risk factors, Logistic Regression for binary classification of creditworthiness
- Evaluation Metrics: Accuracy, Precision, Recall, and F1-score, ROC Curve and AUC Score,
- Accuracy Achieved: 95

### More

- SELF LEARNING NPC - A bot/Non-Playable Character made using Reinforcement Learning and Markov Chain
- Titanic Survivors – A Model made using logistic Regression and RNN that can predict correctly the survivors of the Titanic Shipwreck.

## Internship and Certifications

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- Internship at Swachenda - Hands on Experience in Statistical Modeling and Machine Learning Projects
- Google Analytics certification / AWS Certification / PowerBI certification