

# RUDRA SIKRI

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GitHub: <https://github.com/rudra2112>  
Portfolio: <https://rudra2112.github.io/portfolio>

## EDUCATION

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*Madhav Institute of Technology and Science*

Gwalior, MP

Bachelor of Technology in **Electronics and Telecommunication Engineering** 2020 - Expected **June 2024**

CGPA: 8.99

- Pursuing Minor Degree in Computer Science
- Earned NPTEL Certifications in Data Science, Data Structures and Algorithms, Design and Analysis of Algorithms.

## EXPERIENCE

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### Python Developer

May 2023-Present

*CRUV*

- Collaborated with a team to design and develop Django RESTful APIs, providing valuable insights for project planning.
- Implemented efficient database models using Django's ORM.
- Resolved over 30 reported bugs and issues. Proactively implemented performance optimizations, leading to a 15% reduction in API response time.

### Data Science and Machine Learning Intern

April 2023-June 2023

*Gilbert Research Center*

- Developed a deep understanding of fundamental mathematical concepts such as linear algebra, calculus, and probability theory, and applied them effectively in data science projects.
- Implemented feature engineering, data preprocessing, and model selection techniques.

## PROJECTS

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### Prediction of Warfarin Dosage using MAB | [GitHub](#)

- Developed a Warfarin Dosage Predictor using Reinforcement Learning Contextual Multi-Armed Bandit algorithm.
- Achieved an impressive 68% accuracy, outperforming traditional methods.
- Demonstrated proficiency in reinforcement learning, machine learning, and data science.

### Live Chat App – MERN Stack | [Link](#) | [GitHub](#)

- Developed and deployed a web-based chat app using MERN and Socket.io.
- Featured authentication, real-time chat, and notification features.
- Demonstrated proficiency in web development, JavaScript, and Node.js.

### Sorting Visualizer | [Link](#) | [GitHub](#)

- Created a web app using visualizing and demonstrating functioning of Sorting Algorithms.

## ACHIEVEMENTS

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- Ranked in top 3% in CODE WARS 2.0, a competitive coding event organized by IEEE BITS Mesra that focused on DSA.
- Placed in top 5 among 30+ teams in CODATHON, a competitive coding event hosted by IEEE Student's Forum MITS Gwalior.
- Solved over 350+ DSA problems on GeeksForGeeks and LeetCode, utilizing techniques such as dynamic programming, recursion, and binary search.

## SKILLS

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**Programming Languages:** C++, Python, JavaScript, Java, HTML, CSS

**Frameworks and Libraries:** TensorFlow, Django, React.js, Node.js