

Ritik Singh

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GitHub- [ritiksingh29 \(RITIK SINGH\) · GitHub](#)

OBJECTIVE:

To secure a position as a machine learning and Data-Science Intern, leveraging my skills and experience to enhance my capabilities and learn new tech.

DESCRIPTION:

I am a skilled and motivated individual with a strong background in Software Engineer, Machine Learning, and Web Development. Throughout my academic and professional career, I have developed a deep understanding of the potential of Data Analytics and Artificial and have worked on several projects that demonstrate my expertise in this area.

EDUCATION:

Bachelor of Technology in Computer Science Engineering [2020-2024]

Guru Govind Singh Indraprastha University, New Delhi [CGPA – 9.204, till 5th semester]

Relevant Coursework: Machine Learning, Data Structures and Algorithms, Object-Oriented Programming, Software Engineering, Artificial Intelligence, Operating Systems, Database Management Systems.

Senior Secondary School (12th std)

Central Board of Secondary Education [2019]

Gyan Bharti Residential Complex, Bodhgaya, Bihar

Percentage – 84.8%

Secondary education (10th std)

Central Board of Secondary Education [2017]

D.A.V Public School, Ghaziabad

CGPA – 9.8

EXPERIENCE:

Machine learning Industrial Training

Bharati Vidyapeeth's College of Engineering [September 2022 – October 2022, New Delhi]

- Developed a high-accuracy model for predicting the price of electric vehicles using Linear Regression, Random Forest, and Xgboost methods.
- Executed various libraries such as Numpy, Pandas, Matplotlib, Seaborn, and SkLearn.
- Achieved an accuracy of 91.04

Free-Lancing

GRIPA.IN-Web Development [July 2021 - September 2021, New Delhi]

- Assembled website's design and programmed the Front-End.
- Optimized Search Engine of the original-website.

NALFROST.COM-WordPress Development [February 2021 – April 2021, New Delhi]

- Designed and Constructed website layout.
- Enhanced Search Engine of this blogging-website.

SKILLS:

- | | |
|---------------------------|-----------------------------|
| • C/C++ (Developing) | • FIGMA (Developing) |
| • Python (Fundamental) | • Git (Developing) |
| • MYSQL (Advanced) | • Keras (Developing) |
| • HTML (Advanced) | • ML (Advanced) |
| • JAVASCRIPT (Developing) | • OpenCV (Developing) |
| • REACT (Developing) | • TensorFlow (Developing) |
| • BOOTSTRAP (Developing) | • Scikit-Learn (Developing) |
| • CSS (Advanced) | |

ADDITIONAL SKILLS:

Problem Solving, Adaptability, Teamwork, Leadership, Communication

PROJECTS:

Face Recognition Attendance System

- Directed a Model for recording Attendance with D-lib library and have High Accuracy.
- Embedded this model with user interactive website and captured images by using OpenCV and marked the attendance every time model detects people.
- Library Utilized- Numpy, Open-CV, OS Module, Face Recognition.

Skin Lesion Segmentation Project

- Designed a ml based stacked ensemble model of Unet and Resnet.
- Developed a Meta Model for enhancing and generating Skin Segmentation Images.
- Evaluated the images and generated their lesion segments.
- Technique Used – Resnet Model, Unet Model, Stacked model with keras and TensorFlow.

Self-Learning Project

Ongoing [Executed Module - TensorFlow, Keras, and open-CV]

Dr_Plant: Introduced a web application using Machine-Learning models to detect plant diseases.

Facial Emotion Detection: Created a web application that detects human emotions using AI technology.

Self-Ai: A voice assistance capable of understanding, evaluating and providing response with the help of Chat-GPT

VOLUNTEER EXPERIENCE:

MICROSOFT LEARN STUDENT CHAPTER: [Core Member]

- Inspected events such as Access-A-Thon and Azure Payday with the entire team.
- Coordinated and Collaborated on a Git event.

ACHIEVEMENTS:

- Academic Scholar from class 1st to class 10th.
- Finalist in the Hack-The-Crisis 2021.
- Ranked 399 out of 14000+ in CODECHEF STARTERS 96.

INTERESTS:

- Reading about the latest advancements in technology and Artificial Intelligence and Mythological text.
- Participating in Sport Events and Hackathons.
- Playing Football and Badminton.

PERSONAL DETAILS:

Father's name: Jai Prakash Singh

Date of Birth: 28 February, 2001

Languages: English (Fluent), HINDI(Fluent)

REFERENCES:

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