

RISHI SHARMA

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Summary

A focused fresher with **1.5 years experience** in **Deep Learning, Artificial Intelligence and Machine Learning**. I wish to join an organization with solid reputation as **Machine Learning Engineer**.

Skills

Deep Learning	Computer Vision	Image Processing	Python
Machine Learning	Django	Documentation	Influencing
C++	Presenting	Teaching Mathematics	Learning
Team Work	Flexibility	Adaptability	Communication

Core competencies

Keras	Neural Networks	Data Analysis	Data Visualization
Scikit Learn	Numpy	Open CV	Fast AI
TensorFlow	Pandas	Matplotlib	Transfer Learning
Statsmodel	Seaborn		

Achievements

- Interned at one of the big tech giant **CISCO SYSTEMS**
- Secured **7th** rank in **Intel Scene Image Classification Challenge(3k people participated on Analytics Vidhya)**.
- Secured **1st** rank in Web Enthusiast Club recruitment task happened in **NITK** on **Kaggle**
- Selected for **Secure and Private AI Challenge Scholarship** by **Udacity** in collaboration with **Facebook**(around **5,000** people selected globally).
- Successfully built a fully functional **Criminal Image Search** website to do image searching of criminals from huge image database of **Karnataka Police Department** during my internship there.
- Successfully completed **Anomaly Detection** on **Mars** images where they selected 36 enthusiasts globally across different countries and the mentor for this project was a scientist from **NASA** who provided us the data.
- Secured **2.7k** rank in **Jee Mains** where **14M** students participated all over the country.
- Successfully completed and earned **6** certificates of **deeplearning.ai specialization by Coursera**.
- Among top 50 students to be selected for **Merit Cum Scholarship** at NITK.

Work Experience

- Intern at **Cisco Systems** May 2020 — May 2020
Data Analyst Intern
 - Did **Time Series Analysis** of **Cisco Webex** data. Task was to predict the future forecast so that they can scale the servers better in order to improve the customer experience, protecting their server from crashing due to any heavy load in future.
 - For the same data, also did the task of anomaly detection.
- Karnataka state Police Computer Wing May 2019 — July 2019
Machine Learning Intern
 - Created a website for searching criminal images from their huge database using **Deep Learning** techniques.
 - Did **Data Analysis** of their crime data and giving them valuable insights like having more strict policing at crime prone area as found from data analysis and other valuable insights which can help them for reducing number of crimes.
 - Able to execute all projects within turnaround time with efficient project management skills.

Projects

- **Automatic Attendance system for NITK classrooms(01/01/2020 – present)**

- This project focus on building an automated system which can help the teachers by taking the attendance automatically with the help of HD cameras available in the NITK classrooms thus professors not have to waste their time in taking attendance manually.

- **Traveling Mamas, a Destination Booking Website(09/2019 – 11/2019)**

- This is website which can be used to choose places for visiting, book hotels, book flights and other facility. For back end purpose Django is used and for database purpose MySQL is used. Front end is made of HTML, CSS, JavaScript.

Link :- <https://github.com/kampaitees/Travelling-Mamas>

- **Criminal Search (05/2019 – 07/2019)**

- A website which search image of criminal from different varieties of records and output best 'n' similar images found from records of criminal. Here records consists of millions of images of criminal about 10-15 years ago while input images were recent images.

Link :- <https://github.com/kampaitees/Web-App-for-Image-Search>

- **Vulnerability Mapping (05/2019 – 07/2019)**

- A System predicting areas which are more prone to particular type of crime thereby reducing intensity of crime by making Police aware of the crimes happening in that area by predicting possibility of crime may happen there.

Link :- <https://github.com/kampaitees/KSP-Internship-projects/tree/master/Vulnerability%20Mapping>

Blogs

- **Linear Regression**

Regression analysis is a form of predictive modeling technique which investigates the relationship between a dependent and an independent variable.

Link :- <https://github.com/kampaitees/Linear-Regression>

- **Sentiment Analysis**

Sentiment Analysis(Opinion mining) is the process of determining whether a piece of writing is positive, negative or neutral.

Link :- <https://github.com/kampaitees/Sentiment-Analysis>

Education

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| • Class 12th | Adarsh Malwa, Madhya Pradesh, India | 2017 |
| • Bachelor of Technology in CSE | National Institute of Technology Surathkal, Karnataka, India | 2021 |

Extra-Curricular

- Participated in school level cricket matches and was selected for district level matches.
- Member of **Web Enthusiast Club NITK**
- Member of **IRIS Labs NITK**(an organisation handling NITK website)
- Provided Mathematics classes to students in M.G. Convent School(my 10 th class school).
- Did captaincy of my cricket team during the district level cricket matches during school days.

Languages – English (Full Professional Proficiency), Hindi (Native)

Hobbies

Cricket	Traveling	Meeting new people	Learning new technology
Writing blogs	Listening Music	Exploring new cultures	Reading about time travel, Black Holes & Universe