

# PRIYA BHATIA

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## EDUCATION

### Indian Institute of Technology

*Master of Technology in Artificial Intelligence*

Hyderabad, Telangana

Sep 2020 – July 2022

- Cumulative GPA : **9.29/10.0**
- Relevant Coursework: Machine Learning, Deep Learning, Probability, and Applied Statistics, Advance Data Structure and Algorithms, Natural Language Processing, Medical Image Processing

### Jaypee Institute Of Information Technology

*Bachelor Of Technology in Computer Science*

Noida, Uttar Pradesh

Aug 2015 – Aug 2019

- Cumulative GPA : **8.1/10.0**
- Relevant Coursework: Algorithms and Data Structure, Database Management System, Operating System, Computer Network, Linear Algebra, Discrete Mathematics, Fuzzy Logic and Neural Network, Big Data

## TECHNICAL SKILLS

- **Programming Languages:** Python, Core Java, C/C++, Basics of Scala
- **Data Science and Miscellaneous Technologies:** Data Science Pipeline(collection, cleansing, visualization, modeling, interpretation), Statistics, Hypothesis Testing, CI/CD Pipeline, AWS
- **Big Data, Machine Learning and Deep Learning:** : Hadoop, MapReduce, Sqoop, Apache Hive, Basics of Spark with Scala, Linux, Regression, Classification, CNN, Capsule Networks for Medical Image Segmentation

## PROJECTS

### Automated Quantification of Inflamed Lung Regions in Chest CT by UNet++ and SegCaps | *Research Work*

- Developed an **automated image segmentation** algorithm to detect the **infection in the lungs** using the chest CT scans
- **Quantification** of infected lungs using the chest CT scans
- Project helps the **doctors to diagnose CT severity score** of the **covid patients** from Jaipur hospital.

### Research paper title generation and tag classification using transformers | *Natural Language Processing*

- Developed **transformer** based deep learning approach to **title generation of research papers and paper tags classification**.
- Dependencies : PyTorch Cuda 11.1, Transformers 11.0, NLTK, Seaborn

## ACHIEVEMENTS

- Selected among the **top 40 postgraduate students** from premier institutes (IITs, IISC) for **academic excellence in Reliance Foundation Scholarship in Artificial Intelligence and Computer Science** for the year 2020-21.
- P Bhatia, A Sinha, S P Joshi, R Sarkar, R Ghosh, S Jana, "Automated Quantification of Inflamed Lung Regions in Chest CT by UNet++ and SegCaps: A Comparative Analysis in COVID-19 Cases", *2022 44th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*.

## WORK EXPERIENCE/CERTIFICATIONS

### Data Scientist

*iNeuron Intelligence*

July 2022 - Present

Bengaluru, Karnataka

- Working on creating an end-to-end project on text generation using GPT2
- Worked on creating an end-to-end data warehouse solution using Hive
- Working in an R&D team and have delivered professional lectures on Data Science and DSA to a class of over 1000 students.

## CODING PROFILES

 LeetCode  HackerRank  Codeforces  Profile4  Profile5