

# PRIYA BHATIA

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## EDUCATION

### Indian Institute of Technology

Hyderabad, Telangana

Master of Technology in **Artificial Intelligence**

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

Noida, Uttar Pradesh

Bachelor Of Technology in **Computer Science**

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

July 2022 - Present

iNeuron Intelligence

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