# Stuti Pathak

Indian Institute of Technology, Jodhpur

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## EDUCATION

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| **Indian Institute of Technology, Jodhpur** | **CGPA: 6.52** |
| *Master of Technology - Artificial Intelligence* | *May 2022* |
| **Dr Ambedkar Institute of Technology for Handicapped, Kanpur** | **CGPA: 8.13** |
| *Bachelor of Technology - Computer Science and Engineering* | *September 2020* |
| **Dr Virendra Swarup Education Centre, Kanpur** | **Percentage: 95** |
| *Intermediate* | *2016* |
| **Dr Virendra Swarup Education Centre, Kanpur** | **Percentage: 93.8** |
| *High School* | *2014* |

## KEY SKILLS

- Programming: Python, Java, C++
- Familiar: Pytorch, NLTK, Tensorflow
- Assembly: RISC V

## ACADEMIC PROJECTS

**Machine Translation on Indic Languages**
- Machine translation from English to Hindi using Bidirectional LSTM on Samanantar dataset.

**Automated Grid Game using Reinforcement Learning**
- 8 X 8 grid environment with rewards, obstructions and goal. The agent follows the Q-learning paradigm in search of goal and finds the shortest path from initial position to goal that maximizes the rewards.

**Lung Cancer Detection in Early Stages using Convolutional Neural Network**          *IIT-BHU*
- Developed modules for Lung Cancer detection model based on CNN.

**Recommendation System using Apriori Algorithm**          *BTech Project*
- Apriori algorithm is used on Online Retail Dataset to find the frequently bought items together.

## EXPERIENCE

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| **Chegg India Pvt Ltd** | **India** |
| *Subject Matter Expert - Freelance - Remote* | *March 2019 - Present* |

- 250+ solutions contributed.
- Maintained quality of solutions.
- Solutions provided in the domain of Algorithms, Automata Theory, Compiler Design, Operating System, DBMS in Python, Java, C C++.

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| **GeeksForGeeks** | **India** |
| *Developer - Freelance* | |

- Python code contributed to 40+ articles.

## HONORS AND ACHIEVEMENTS

- All India Rank 1445 in GATE '20 among 97000 candidates.
- Qualified AFCAT II '20.
- Recipient of Prime Minister Scholarship under PMSS during graduation.
- Smart India Hackathon '17 Finalist under Ministry of Space(ISRO).
- Secured first position in Coder Pro event of College Tech Fest.
- Secured top positions in Coding and Debugging events in School Tech Fest.

## RELEVANT COURSES

**Online MOOCs Certification**

Deep Learning (IITM NPTEL), Programming, Data Structures and Algorithms using Python (CMI NPTEL)

**Academic**

Data Structures, Design and Analysis of Algorithms, Digital Logic Design, Computer Architecture, Machine Learning, Artificial Intelligence, Natural Language Processing.

## EXTRA-CURRICULAR ACTIVITIES

- Secured 3rd position in High Jump, 100m and 200m sprint at college level.
- Sports Captain in school.
- Participated in Inter School Basketball Championship for 3 consecutive years.
- Captain of BasketBall Team in school.