ANMOL JAIN

Graduate Student at Indian Institute of Information Technology, Allahabad

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EDUCATION

IIIT Allahabad
Master of Technology - M.Tech in Information Technology

📅 Sep. 2020 - May 2022   📍 Prayagraj, UP, India
- CGPA - **9.35/10.0**

Jabalpur Engineering College, Jabalpur
Bachelor of Engineering - B.E. in Computer Science and Engineering

📅 Aug. 2015 - May 2019   📍 Jabalpur, MP, India
- CGPA - **7.0/10.0**

Touchstone Public School
MP Board

📅 July 2012 - May 2014   📍 Gohad, Bhind, MP
- XII - **82.6%**
- X - **87.3%**

TECHNICAL PROJECTS

Natural Language Processing - Dialogue State Tracking on a Hindi-Dialogue Dataset
[Dec. 2020 - Present]

- Technology/Tools Using: **Python,Tensor-Flow, Pytorch, Deep Neural Networks**
- Build a **MultiWoz** corpus, a fully-labeled collection of human-system written Hindi language conversations spanning over multiple domains.
- Improving the performance of DST model by using various Statistical Belief State Updates

Algorithm Design - Pathfinding Visualizer(C++) - [Link]
[Oct. 2020 - Dec. 2020]

- Designed the graphical user interface using **Simple and Fast Multimedia Library (SFML)**
- Implemented **Dijkstra's** and **A-star** algorithm to find shortest distance and path between source and destination
- Analysed different results using different heuristic functions and got **90%** accuracy

SKILLS

Languages and Frameworks

C/C++, Python
HTML, CSS

Relevant Courses

- **Data Structures and Algorithm design**
- **Database Management System**
- **Operating Systems**
- **Object-Oriented Programming System**
- **Computer Networks**
- **Mathematics, Programming Practices**

EXPERIENCE

Language Technologies Research Centre, IIIT Hyderabad - Research Internship
[May 2018 – July 2018]

- Collaborate with the team of 2 as an undergraduate researcher, the project titled **Context Based Spell Checker** was successfully built from scratch in **python**
- It corrects spelling errors in **OCR** generated text in Hindi, it is based on **neural word embedding** and **Levenshtein distance**. The Continuous Bag-of-Word (CBOW) model is used to learn the word embeddings using large corpora.
- Analysed different results using distinct word2vec techniques such as FastText, GloVe etc
- The system is tested on 'The Gita' corpus where it achieved **50%** accuracy

Teaching Assistant - IIIT Allahabad
[Sep 2020 – Present]

- Conducting Algorithm and operating system Tutorial Classes, Evaluating Presentations, Conducting HackerRank Exams, Preparing Algorithmic Questions for undergraduate students
- Take doubt class sessions where students can ask any course related queries

ACHIEVEMENTS

HackerRank Skills Certification - [Link]
- Problem Solving(Intermediate) - It covers topics of **Data structures** and **Algorithms**

Competitive Coding -   [Link]
- Rating - **4 stars in C++**
- Rating - **6 stars (Highest)** in **problem solving** on Hackerrank

GATE (2020) : Qualified
- Got **98** percentile in the All India Graduate Aptitude Test in Engineering in Computer Science

EXTRA CURRICULAR

- Held a **volunteer position** and organised **alumni meet** at **70th anniversary** of Jabalpur engineering college, Handled programming duties including web design and record keeping of the event.
- **Volunteer; Math & Dance Teacher** at KAARWAAN -Student driven NGO, took classroom for underprivileged children, helped them in preparing for examinations