

Naman Rastogi

Undergraduate in Computer Science and Engineering

EDUCATION

Madan Mohan Malaviya University Of Technology, Gorakhpur - B.Tech, Computer Science and Engineering

07/2018 - Present (2022 Batch), CGPA: 8.3/10

Coursework: Data Structures, Algorithms, Graph Theory, DBMS, Operating Systems, Optimization Techniques, Theory of Automata.

High School And Intermediate - Ewing Christian Public Senior Secondary School (CBSE), Prayagraj

High School (2015) CGPA : 10/10, Intermediate (2017) percentage : 85

KEY PROJECTS

ThoracicVision - (Computer Vision) - Python and libraries, Tensorflow, Keras - (June, 2021 - Present)

- Developing a deep learning (computer vision) system that can classify 14 different thoracic abnormalities and localize them on chest X-ray images.
- Dataset source is Kaggle which consists of 18000 high quality images having data size of about 191.82 GB.

Trigger Word Detection - (Sequence Models, NLP) - Python and libraries, Tensorflow, Keras - (July 2020 - Aug. 2020) — [link](#)

- Performed audio pre-processing and synthesis and analyzed audio spectrograms to create train/dev sets.
- Developed a deep learning model, employing Gated Recurrent Units (GRUs) and unidirectional RNNs, which produces a sound whenever it hears the word “activate” in the audio.

WhatsApp Text Analysis - (Data Analysis) - Python, Numpy, Pandas, Matplotlib, Seaborn - (Aug. 2020) — [link](#)

- Worked on the WhatsApp text file and performed comprehensive text and data analysis of WhatsApp texts.
- Extracted meaningful texting patterns and insights of the individuals concerned with the chat.

Indian Cities And What Different People Could Get From Them - (Data Science) - Python, Pandas, Numpy, Matplotlib, Seaborn, FourSquare API - (Sept. 2020 - Oct. 2020) — [link](#)

- Made use of the Foursquare API (to query the venues of the cities) and Clustering Algorithm along with data processing tools to analyze different cities of India and how they impact people's decisions.

Prayagraj, Uttar Pradesh, India, 211003

+91 6387627515

naman5nds@gmail.com

[Github](#) [Linkedin](#)

SKILLS

- **Languages:** C++ | Python
- **Web Technologies:** HTML | CSS | JavaScript
- **Machine Learning:** Pandas | Numpy | Matplotlib | Seaborn | Scikit Learn | Opencv | Tensorflow | Keras
- **Databases:** MySQL
- **Tools:** Git | Command Line Interface | Google Colab | Jupyter Notebooks

RELEVANT COURSEWORK - MACHINE LEARNING

- **Linear Algebra, MIT-18.06**, by Gilbert Strang
- **Probability, Harvard University, statistics-110**, by Joe Blitzstein
- **Deep Learning Specialization (Neural Networks, CNNs, Sequence Models (RNNs), Hyperparameter Tuning, Regularization and Optimization)** by deeplearning.ai, Andrew Ng on Coursera, July 2020. [link](#)
- **IBM Data Science Specialization**, by IBM on Coursera, May 2020. [link](#)
- **Machine Learning**, by Stanford University on Coursera, June 2019. [link](#)

ACHIEVEMENTS

- Secured 315th rank among 11165 participants in Newton coding challenge september 2020. [Link](#).
- Secured 1st position and certified in “i-factor”, an event organized by the Computer Engineering Society (CES) of Madan Mohan Malaviya University of Technology. The event comprised Quantitative Reasoning skill test as the 1st round, Group Discussion as 2nd round and Personal Interview as final round.