

ANUPAM TRIPATHI

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EDUCATION

Northwestern University Evanston, Illinois	2019 - present
Master of Science in Artificial Intelligence, CGPA : 4/4	
Relevant Coursework	Introduction to AI (A), Frameworks of AI (A), Machine Learning (A), Data Science Seminar (A), Advanced Computer Vision, Deep Learning Foundations from Scratch, Statistical Pattern Recognition, Natural Language Processing
K.J.Somaiya College of Engineering Mumbai	2015 - 2019
Bachelor of technology in Computer Engineering, CGPA : 3.6/4	
Relevant Coursework	Machine Learning, Neural Networks, Data Analytics and Machine Learning, Data Warehousing and Mining, Advanced Database Management, Image Processing.
Other Courses	Machine Learning by Stanford University (Coursera), Deep learning specialization by deeplearning.ai, Oracle certified Core and Advance Java, C++

EXPERIENCE

Home Drone Artificial Intelligence Internship	Sept 2018 - Jan 2019 Mumbai, India
Programmed and designed drones to develop a marketable product for specific applications. Worked on making drones smarter and fully automated by adding object detection and path detection techniques.	
KJSCE Machine Learning Internship	Dec 2017 - Jan 2018 Mumbai, India
Worked on Human emotion detection and classification into the seven basic emotions. Used Haar cascades and Deep Neural Network for facial expressions and recurrent neural network for speech.	
kWatt Solutions, IIT Bombay Web Development Internship	Nov 2017 - Jan 2018 Mumbai, India
Maintained and managed official websites of the organization. Added new webpages and additional features like webinars and live chat. Made the website secure and also easy to use and handle for visitors as well as company employees.	

PUBLICATIONS

Vision: A Deep Learning Approach to provide walking assistance to the visually impaired
Nikhil Thakurdesai, Anupam Tripathi, Dheeraj Butani, Smita Sankhe. arXiv:1911.08739, November 2019.
Implementation and Comparison of Facial Expression Detection and Classification Techniques
Anupam Tripathi and Nikhil Thakurdesai. International Journal of Computer Applications 182(18):25-29, September 2018.
Face Recognition using One-shot Learning
Nikhil Thakurdesai, Nikita Raut and Anupam Tripathi. International Journal of Computer Applications 182(23):35-39, October 2018.

SKILLS

Languages	Python, Java, R, Matlab, C, C++
Libraries	PyTorch, Tensorflow, Keras, Tflearn, NLTK, Numpy, OpenCV, Pygame
Databases	MySQL, Oracle11g, Postgresql, Firebase
Web Development	PHP, JavaScript, Bootstrap, AJAX, Express JS, Angular
Tools	Tableau, Trifacta, D3.js, Databricks

PROJECTS

Audio Assistance for Blind Final Year Project	July 2018 - May 2019
Object detection using YOLO algorithm and depth estimation using monocular Vision to provide walking assistance for blind in form of audio output	
Data Analytics on Chicago Police dataset	Sept 2019 - Present
Analysed the Chicago Police Dataset by the Invisible Institute to find out patterns in the misconducts by the police using queries, Machine Learning techniques and Natural Language Processing. The theme of the project was to analyse the trends before and after this data went public. Used tools like Tableau, Trifacta, Databricks, D3.js.	
Other Projects	Face Recognition using One Shot Learning, Facial Expression Detection, Snakes using Deep Reinforcement Learning, Poetry Generator using RNN, Sentiment analysis from voice using RNN, Family Locator- Android app for real time location sharing and past location tracking.

ACTIVITIES

Winner - Hackathon organized by AWS at Northwestern university	Sept 2019
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