

Archit Khatri

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Education -

B.Tech (Computer Science & Engineering), *Amity University*

Senior Certification Programme at *University of Florida*, United States (January 2020 to May 2020)

Skills

- **Python** - Profound knowledge, well informed of the syntax. Fluency in coding.
- **C++** - STL, core concepts, good command in coding.
- **Java** - Core Java
- **Data Structures and Algorithms**
- **SQL** - Major Database tasks and can create complex data retrieval queries.

Research Papers

1. **Pneumonia Identification in Chest X-Ray Images using EMD** -
Pneumonia X-Ray images consist of cloudy like structures in the chest which were detected using EMD. Published in Communication, Cloud and Big Data conference (CCB 2018) in Springer.
2. **Video Analytics Based Identification and Tracking in Smart Spaces** -
Review paper on recent trends in video analysis and computer vision techniques and algorithms
Paper published in (IC3I-2019) IEEE.

Projects

1. **HashTag Counter** - Finds the N most popular hashtags appeared on social media using Fibonacci Heap.
2. **UK Accidents Database Application** - A SQL based data analysis and visualization web-based project to understand various accident patterns in the UK.
3. **Airplane Crash Data Analysis** - Analysis and insights of pattern in Airplane crash since 1905 to 2010.
4. **Digit Recognizer** - A Deep Learning model with 99.97% accuracy. Got into top 100 on Kaggle's Digit Recognizer competition.

Certifications

1. **Deeplearning.ai Specialization** (From Stanford University on Coursera) -
A five course intense Neural Networks specialization focused on Artificial NN, Convolution NN, Recurrent NN, Scaling of projects on a higher scale and fine tuning of Hyper-Parameters for model's performance.
2. **The Joy of Computing using Python** -
Online Python certification from NPTEL (IIT Ropar). Given Gold certification for securing 90% in the course for excellent performance throughout.