

Akshat Gupta

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EDUCATION

- **Dr. APJ Abdul Kalam Technical University** Mathura, India
Engineering in Computer Science; *June 2014 - June 2018*
Courses: Data Structures, Operating Systems, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Probability and Statistics.

SKILLS SUMMARY

- **Languages:** Python, C++, C, SQL, PHP
- **Tools:** TensorFlow, git, graphlab, numpy, pandas, matplotlib, librosa, flask, docker, aws sagemaker and, aws elastic beanstalk
- **Technical Skills:** Deep learning, machine learning, natural language processing, machine learning model deployment, model api.

EXPERIENCE

- **Scanta Inc.** Gurgaon, India
AI/ML Team Lead *Mar 2019 - Current*
 - Worked on neural voice transfer, wavenet, deep speech, personality engine and gender identification from voice, deployment on aws beanstalk, model in production on aws sagemaker and lambda.
 - Worked on style transfer in text, gans, pix2pix, emotion understanding from face, text and voice.
- **Mobile Programming LLC** Gurgaon, India
Machine Learning Engineer *July 2018 - December 2018*
 - Worked for Takeda in bio-medical NER, automated ICF generation and Neural Machine Translation.
 - Worked on HR chat bot for user-specic queries related to the specic domain.
- **Robofied** Gurgaon, India
Machine Learning Engineer *Mar 2018 - July 2018*
 - Used machine learning for solving problems in the domain of healthcare like disease detection from medical images.
 - Worked on platform creation, content development on machine learning. It aims at simplication of machine learning concepts and models through easily comprehensible narrative and guides toward real-world applications.
- **Ministry of Micro-Scale and Medium Enterprises** Agra, India
Software Developer Internship *June 2017 - July 2017*
 - Created automatic certicate generator tool for generating certificates for students under skill India program.
 - Application has features like direct CSV import and multiple certicate generations with QR code.

PROJECTS

- **Clinical trial process automation:** Biomedical NER, conversion from protocol documents to ICFs, language translation(NMT) and information extraction from contextual documents(for Takdea pharmaceuticals).
- **Pneumonia detection from x-ray using deep learning:** According to medical reports doctors can detect pneumonia in only 76% cases which causes the death of millions of people worldwide due to pneumonia especially in African countries. Machine learning model achieved the accuracy of 82.7%.
- **Emotion understanding from text and face:** Emotional Intelligence in chatbots to give more human experience.
- More projects at: <https://akshat4112.github.io/projects.html>

CERTIFICATIONS

- Deep Learning Specialization from deeplearning.ai
- Machine Learning Specialization from University of Washington
- Python Specialization from University of Michigan
- Data Scientist Career Track from Datacamp
- More certifications at: <https://akshat4112.github.io/certifications.html>

HONORS AND AWARDS

- Intel Software Innovator (working on Voicenet, comprehensive python library for voice and sound)
- Finalist in Smart India Hackathon at Ministry of Earth Sciences