

# AMIT SINGH

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## » Skills

### TECHNICAL SKILLS

Java  
Python  
Android App Development  
Deep Learning  
Cloud Computing

## » Volunteering

National Service Scheme ·  
Volunteer  
Haridwar, India

- Participated in cleaning activities at public schools in rural areas under the Swachch Bharat program.
- Participated in blood donation camps.

## » Education

Gurukul Kangri University July 2015 to May 2019  
Bachelor Of Technology Computer Science and Engineering 2019  
Organized a GK quiz and a coding competition event for college freshers and sophomores.

## » Experience

Omdena  
Tech Lead June 2019 to Current  

- Using GAN architecture to generate images to augment the dataset.

MTA-INDIA Lucknow, India  
Trainer May 2018 to June 2018  

- Trained students for Microsoft certification examination in Java and Advanced Java.
- Helped students collaborate and work on the final project as a team.

## » Projects

Dermatologist-AI Feb. 2019 to Mar. 2019  

- Aims to use images for early detection of skin cancer and classifies the benign lesions from Melanoma.
- Uses transfer learning with the resnet152 pre-trained model, freezing the initial 3 layers.
- Fine-tuned to use learning rate scheduler along with SGD optimizer.

WhatsApp chat Tone Analyzer Nov. 2018 to Nov. 2018  

- Python script to analyze WhatsApp texts in real-time using IBM Watson Tone Analyzer.

Moths of Aurora Dec. 2017 to July 2018  

- Keeps the user up to date with the artist's activities on social media sites.
- Uses Firebase Realtime Database to store data in JSON format and generate notifications on any change in the database.
- Uses AWS EC2 service to run scheduled Python scripts that scrape data from different sites and update the Firebase database.

## » Certifications

Deep Learning Nanodegree · Udacity Nov. 2018 to Apr. 2019  

- Learned fundamentals of Neural Networks and their implementations.
- Worked on project based on real-world problems implementing CNNs, GANs etc.

Design And Analysis of Algorithms · NPTEL July 2018 to Nov. 2018  

- The course covered basic concepts such as Asymptotic complexity, Sorting and Search, Dynamic Programming, etc.
- Practiced assignments on Data Structures such as Trees, Heaps, and Graphs.

## » Awards

Facebook and Udacity · Deep Learning Scholarship Jan. 2019  
Selected as one of the top 300 students out of 10000 for Facebook's Deep Learning Scholarship program hosted on Udacity.

Gurukul Kangri University · Programming Competition Winner Mar. 2016  
Won the first prize in the programming competition organized at college's technical fest.

Gurukul Kangri University · Gaming Competition Winner Mar. 2017  
Member of the Counter Strike gaming competition winning team at annual college technical fest.