

AMIT SINGH

✉ singhamitch@gmail.com
🌐 semmet95.github.io/
☎ +918418892017
📍 Kolkata, India
in singhamitch
🔗 semmet95

» Skills

TECHNICAL SKILLS

Java
Python
Android App Development
Deep Learning
Cloud Computing
Powershell
Docker

» 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

Tata Consultancy Services Kolkata, India
Assistant Systems Engineer (Trainee) July 2019 to Current

- Develop scripts to automate manual maintenance tasks.
- Fix bugs, bridge different existing features at the back-end using CLI/Rest APIs.
- Implement new features, customize application modules as per the organization's requirements.

Performed these operations on Atlassian applications like Jira, Confluence, Bitbucket.

Omdena June 2019 to July 2019
Tech Lead

- Used GANs to generate high-resolution images for data augmentation.
- Experimented with multiple GAN architectures like DCGAN, WGAN, DCGAN with skip connections.
- Experimented with different loss functions to find the best one.

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 at the university's programming competition NOPC.

Tata Consultancy Services · Certificate Of Participation Aug. 2017
Certificate of Participation awarded for qualifying in Round 1 of CodeVita 2017 and securing a rank of 1158 in Round 2 of CodeVita 2017.

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