

SANGEET KUMAR MISHRA

✉ mail2sangeetmishra@gmail.com · ☎ (+91) 747-801-7666 · 🌐 sangeet259 · 📄 sangeet259.github.io

WORK EXPERIENCE

Data Analyst and Visualization Intern Anheuser-Busch InBev May 2019 - Jul 2019

People Business Solutions, GCC

- Automated the Data Visualisation from the Data Lake
- Bringing insights from analysis on the data and brought forward various cluster of concern to Manager
- Used Machine Learning Models like Random Forests to find factors for Employee Attrition

Google Summer of Code 2018 Mercurial, Python Software Foundation Summer 2018

Student Developer Mentor: Yuya Nishihara and Pulkit Goyal

- Fixed and improvised the grepping system of Mercurial as per the Grep Plan |
- Wrote properly tested codes using shell-script driven regression tests
- Improved hg diff and added in-line diff colourisation

[GSoC Blog Posts](#) | [GSoC Proposal](#)

Autonomous Underwater Vehicles Machine Learning and Computer Vision Feb 2017 - Mar 2018

Software Team Guide: Dr CS Kumar

- Implemented CA-CIFAR algorithm and HSV Thresholding to detect underwater objects
- Implemented real time underwater buoy detection using SSD and Mobile Nets
- Made the inference of models lightweight and suitable for the bot using Movidius Neural Computing Stick

Google Summer of Code 2019 Mercurial, Python Software Foundation Summer 2019

Mentor

- Mentored and helped the students new to Mercurial codebase getting familiar with it.
- Helped them bond with the Mercurial developers community, and resolved their technical and non-technical issues.

Advisor Kharagpur Open Source Society, IIT Kharagpur October 2017 - Present

Spreading Open Source awareness in the campus

- Contributed to the development of KWoC 2017 Website with more than 2700 registrations [KWoC 2017](#)
- Mentored students in Kharagpur Winter of Code 2017 : **Generative Adversarial Networks**
- Successfully conducted the first ever Open Source Summit during Kshitij 2018 and in Kshitij 2019

SKILLS

- **Languages:** Python, C/C++, SQL, JavaScript, Go
- **Platform:** Linux, Windows
- **Robotics and Machine Learning:** TensorFlow, Scikit Learn, PyTorch, Keras, ROS, OpenCV

PROJECTS

Semantic Segmentation using Recurrent Convolutional Neural Networks

- Worked under guidance of Dr Debodoot Sheet under Signal and Image Processing Lab, IIT Kharagpur
- Developed Recurrent Convolutional Networks to perform semantic segmentation of an Image.

VySyBI

- Developed a Blind Assistant System on Xilinx PYNQ Board
- Won 1st Prize in Xilinx Innovation Challenge 2019

AudAn

- Worked on using Cognitive Analysis of students in a classroom to evaluate their performance.
- Qualified to Top 6 Nationally in the AI for Education theme in Smart India Hackathon 2019 by Govt. of India

Other Projects I spend some time working on small projects hosted on GitHub.

- Synisto : A Collaborative Filtering based application to suggest movie to users on MovieLens 1M dataset — [GitHub](#)
- Sign Language Detection : A Deep Neural Network based program to detect hand signs from 0 to 5 — [GitHub](#)
- K Means Compressor : KMeans Clustering based compression which achieves a 6 times reduction in size — [GitHub](#)

EDUCATION

Indian Institute of Technology (IIT) Kharagpur, West Bengal, India

2016 – 2020 (Expected)

Undergraduate Major in Civil Engineering

Relevant Courses:

-Programming and Data Structures -Probability and Statistics -Design and Analysis of Algorithms -Deep Learning Specialization -Machine Learning

EXTRA CIRCULARS

- **Sociaial Service** More than 80 hours of dedicated community service via National Service Scheme - IIT Kharagpur
- **Quizzing** Secured Silver in General Championship 2017 Participated in Zonal Level Quizzes in School
- **Guitarist and Vocalist** Represented VS Hall of Residence in Inter Hall Easter Vocals 2017