Animesh Sahu

https://www.linkedin.com/in/animesh-sahu-212006186/
animesh.sahu@research.iiit.ac.in | +91 9652439874

EDUCATION

IIIT HYDERABAD
B.Tech + MS in Electronics and Communication
Lab:RRC(Robotics Research Center)
CGPA:7.88

MAHARISHI VIDYA MANDIR
Intermediate
Percent: 90.2%

LINKS

Github:// animeshsahu80
LinkedIn://
animesh-sahu-212006186

COURSEWORK

GRADUATE
Data Structures and Algorithms
Computer System Architecture
Algorithms and operating systems
IT Workshop
Probability and Random Processes
Computer Vision
Statistical Methods in AI
Mobile Robotics
Digital Signal Processing
Information Theory and Coding
Linear Algebra

SKILLS

PROGRAMMING
C • C++ • Node.js
JavaScript • Python • AWS •
Java • MySQL • HTML • CSS
Django • C++

TOOLS
Matlab • GNU/Linux(Bash) • Robot
Operating system • LaTex

ML/DL/NLP/CV:
NLTK • Keras • scikit-learn • pytorch
• OpenCV

EXPERIENCE

ROBOTICS RESEARCH CENTER | Research Student
Mar 2018 – Present | IIIT
- Working on deep learning models to extract lines from buildings and using line correspondences across multiple views(using monocular camera),to get the 3D reconstruction.
- Worked on different sensor fusion models with different frame works to generate 3D map of environ ment

HONOURS PROJECT | Team Lead
June 2018 – july 2019 | RRC(Robotics Research Center)
- Built an outdoor drone and currently working on developing autonomous navigation techniques.
- Implemented a pick and place feature using computer vision techniques

VLEAD | Mentor, backend developer
May 2019 – july 2019 | SERC(Software Engineering Research Center)
- Worked on intergration of web application where students can choose their open source project according to their interest and view their performance evaluated by mentors(admin)
- Mentored a batch of 100 students from different universities for corresponding conversion of experiments/simulations from java to javascript for the SRIP(student remote internship program) Batch

PROJECTS

SOCKET PROGRAMMING | Javascript,HTML
Communication Networks | spring 2019
Worked on a file sharing protocol similar to Dropbox with support for download and upload for files and indexed searching.

SENTIMENT ANALYSIS | Python3,NLTK
NLP | Monsoon 2019
Compared multiple classification techniques including Naive bayes,SVM, Word Embedding + CNN/RNN based approaches.

QUESTION TAG PREDICTOR | Python, NLTK, sklearn
Machine Learning | spring 2019
By Using the text in the title and description my model suggests the tags related to the subject of the questions on stack overflow.

AUTOMATED IMAGE CAPTIONING | Python3,Keras
Deep Learning | Monsoon 2019
Using Deep Learning methods to solve the problem of generating a caption for a given image

DEEP VARIATIONAL METRIC LEARNING | Python3, Keras
Computer Vision | spring 2020
Worked on different methods to boost the performance of currently popular deep metric learning methods.