ANIRUDHA KEMTUR

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EDUCATION

BITS PILANI
B.E.(HONS.) COMPUTER SCIENCE
M.SC.(HONS.) ECONOMICS
Expected May 2020 | Pilani, India
Cum. GPA: 8.96/10

DEEKSHA COLLEGE
CLASS 12TH
Graduated May 2015 | Bangalore, India
Grade: 93.5%

LINKS

Website:// **anirudhk686.github.io**
Github:// **anirudhk686**
LinkedIn:// **Anirudha Kemtur**

COURSEWORK

MATHEMATICS
- Linear Algebra
- Probablity and Statistics

COMPUTER SCIENCE
- Convolutional Neural Networks
for Visual Recognition*
- Machine Learning*
- Object Oriented Programming(in Java)
- Computer Programming(in C)
*audit course

NEUROSCIENCE
- Computational neuroscience*
*ongoing

SKILLS

EXPERTISE
• Convolutional neural networks
• Data analysis

LANGUAGES
Over 5000 lines:
• Python
Over 1000 lines:
• Java
• C

TOOLS
• Keras
• Tensorflow
• Open-cv
• Django
• Jupyter-notebook

EXPERIENCE

NATIONAL CENTRE FOR ANTARCTIC AND OCEAN RESEARCH
RESEARCH INTERN
May 2017 – July 2017 | Goa, India
- Worked in ICT division under the guidance of Mr. Sakthivel Samy V.
- Modeled Antarctic temperature data using ARIMA approach.
- Worked on developing facial recognition system for monitoring attendance.

CENTRAL ELECTRONICS ENGINEERING RESEARCH INSTITUTE
RESEARCH INTERN
Aug 2017 - Present | Pilani, India
- Working underthe guidance of Dr. A.S.Mandal.
- Working on classification of EEG data as a part of the project "Drone Maneuvering using Brain-machine Interfaces"

MAJOR PROJECTS

FACIAL RECOGNITION SYSTEM USING CONVOLUTIONAL NEURAL NETWORK
July 2017
- Followed a three step approach: face detection,encoding and comparison.
- Face encoding was based on the approach suggested in M. Parkhi et al.,2015.
- VGG-16 Net architecture used and was implemented using keras library.
- Transfer Learning was used to generalize the model.
- Second last layer's feature vectors were extracted and were compared using cosine similarity.

[PROJECT BLOG] [CODE]

ANTARCTIC WEATHER DATA ANALYSIS
June 2017
- Analyzed temperature data with the Seasonal Autoregressive Integrated Moving Average Model.
- Forecast was also done based on the obtained model.

[PROJECT REPORT] [CODE]

STOCK MARKET SIMULATOR
Dec 2016
- A trading platform built using Django.

[CODE]

ORGANISATIONS

BITS PILANI ACM-STUDENT CHAPTER
CORE TEAM MEMBER | Aug 2015 - Present
- Chapter has been awarded the Best Student Chapter in India for 3 consecutive years with a recognition from ACM International.

ACHIEVEMENTS

- Selected for Global Academic Internship Programme at NTU, Singapore. Only 60 students selected from all over India.
- Jee mains All India Rank - 3320 [13 Lakh Students had appeared for the exam].