

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](https://github.com/anirudhk686)

LinkedIn:// [Anirudha Kemptur](#)

COURSEWORK

MATHEMATICS

- Linear Algebra
- Probability and Statistics
- Econometric Modeling

COMPUTER SCIENCE

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

*audit course

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 PROJECT ASSISTANT

Aug 2017 – Present | Pilani, India

- Working under the guidance of [Dr. A. S. Mandal](#).
- Working on Cognitive loading analysis as part of the project "Low Cost Haptic Rendering of Emotion Expressions to the Blind".

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 was used and implemented it using keras library in python.
- 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.

[\[PROJECT REPORT\]](#) [\[CODE\]](#)

ORGANISATIONS

BITS PILANI ASSOCIATION FOR COMPUTING MACHINERY-STUDENT CHAPTER

Aug 2015 - Present

- Core team member
- 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].