Ashwin Vaswani

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EDUCATION

BITS PILANI
B.E. Computer Science
Expected May 2021 | Goa, India
CGPA: 8.58 / 10.0

PACE JUNIOR SCIENCE COLLEGE
Higher Secondary School Certificate
Grad. March 2017 | Mumbai, India
Percentage: 89.92 %

LINKS

Github:// **ashwinvaswani**
LinkedIn:// **ashwin-vaswani-3314aa169**
Twitter:// **ashwinvaswani**
Blog:// **ashwinvaswani.github.io**
Organisation:// **sforaidl.github.io**

COURSEWORK

ONLINE
Machine Learning (Stanford University)
Machine Learning A-Z with Python (Udemy)
Neural Networks and Deep Learning,
Convolutional Neural Networks
(Deeplearning.ai)

ON-CAMPUS
Neural Networks and Fuzzy Logic
Machine Learning
Foundations of Data Science
Probability and Statistics
Database Management Systems
Object Oriented Programming
Data Structures and Algorithms
Linear Algebra

SKILLS

PROGRAMMING
Over 5000 lines:
Python • C++ • C • Java
Over 1000 lines:
MySQL • Android • Javascript • Verilog
Familiar:
Assembly • Bash
Frameworks:
PyTorch • Keras • Flask • Tensorflow.js

RESEARCH INTERESTS

1. Computer Vision
2. Human Motion Understanding
3. Generative Modelling
4. Deep Learning
5. Natural Language Processing

WORK EXPERIENCE

TESSELLATE IMAGING PVT. LTD. | Computer Vision intern
March 2020 - Present | Remote
- Monk Object Detection library - A collection of state-of-the-art complex deep learning pipelines

PRASAURUS SPORTS ANALYTICS | Deep Learning intern
May 2019 - June 2019 | Remote | CERTIFICATE
- Created Deep Learning models for player detection, action recognition and inferring other statistics in sports videos.

CATEINA TECHNOLOGIES PVT. LTD. | Software Eng. Intern
May 2019 – July 2019 | Mumbai, India | REPORT | CERTIFICATE
- Worked on a customized recommendation engine for the company's API catalogue and created an API for it using flask.

MYWAYS LIFE LAYOUTS Machine Learning Research Intern
Aug 2019 - September 2019 | Remote | CERTIFICATE
- Building a hybrid recommendation system for career planning and recruitment automation.

PROJECTS

KNOWLEDGE COMPRESSION | TCS DataLab
Jan 2020 – Present | Goa, India | LINK
Compressing huge models for Object Detection such as Faster-RCNNs into smaller and portable models by transferring knowledge using Iterative Knowledge Distillation (IKD). Also, implementing IKD Data Free student networks(DAFN).

DYNAMIC GESTURE RECOGNITION | Research Project
June 2019 - November,2019 | Goa, India | LINK | REPORT
Recognizing Dynamic Hand Gesture movements using 3D-CNNs and LSTMs and mapping them for human-computer interaction based tasks such as controlling portable devices.

AI ASSISTANT | VESIT All India AI Hackathon
May 2019 – June 2019 | Mumbai, India | LINK | REPORT
Tool for differently-abled people to recognize hand gestures and convert to text/audio based on sign language. It can also convert Text/Voice into a motion sequence of gestures and read out newspapers/articles.

GENERATIVE MODELING | Research Project
Aug 2019 - Current | Goa, India | LINK | REPORT
Reconstruction of a person's face based on his/her speech using an encoder-decoder network on AVSpeech dataset.

MULTI-MODAL SENTIMENT ANALYSIS | Research Project
November 2019 - December 2019 | Goa, India | REPORT
Motivation, Sentiment and Offensiveness classification of Memes on Social Media for a safe internet using both Image and Text data.

AWARDS AND ACHIEVEMENTS

2020	Instructor for CTE - Deep Learning for Computer Vision course
2019	Mentor for QSTP - Deep Learning course during Summer of 2019
2019	2nd runner up in VESIT All India AI hackathon
2019	29th rank in Flipkart Grid Challenge Semi final Round.
2018	Core member of Society of Artificial Intelligence and DL, BITS Goa