SOMESH BOSE

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OBJECTIVE:

Looking for a great, enthuastic team to work for that will provide me with challenging, interesting work that I can learn from and contribute to.

EXPERIENCES:

Tata Consultancy service (Assistant System Engineer)   Chennai,India
Quality Analyst for leading UK based Retailer   June 2018- present

- Understanding, analysing the clients requirement and developing the app.

EDUCATION:

- **B Tech in Computer Science Engineering**   2014- 2018
  College Of Engineering and Technology, Bhubaneswar
  CGPA: 8.58/10
- **Intermediate /XII from CBSE**   2012- 2014
  Kendriya Vidyalaya, Khurda Road
  Percentage: 91%

PROJECTS:

Title: Car Detection   May 2018
Dataset: drive.ai
Tools & Technologies: Python, Keras
Details:
- Built an object detection model with help of YOLO algorithm and dataset from drive.ai
- YOLO has a Deep CNN -> Encoding architecture that takes an image as input & returns score, bounding box coordinates and class information.
- Used Score-thresholding to throw away boxes that have detected a class with a score less than the threshold & Non-max suppression to compute the intersection over union and avoid selecting overlapping boxes.

Title: Face Recognition for the Happy House   Feb 2018
Dataset: Coursera
Tools & Technologies: Python, Keras
Details:
- Used transfer learning to built face verification and face recognition model where the network architecture follows the Inception model from Szegedy et al.

- The model mapped face images into 128-dimensional encodings & used these encodings to perform face verification and face recognition.
- Used triplet loss as it is an effective loss function for training a neural network to learn an encoding of a face image.
- The same encoding was be used for verification and recognition. Measuring distances between two images' encodings helped to determine whether they   are pictures of the same person.

ACHIVEMENTS:

- Biz Skill Lead Award winner at TCS ILP Ahmdabad
- Ranked AIR 7199th in GATE-2018(Graduate Apptitude Test).
- Ranked 707th in CODEVITA-6 (2017) coding contest taken by over 100,000 students across the globe.
- Ranked 3656th in CODEVITA-5 (2016) coding contest taken by over 100,000 students across the globe.
- Won Bronze in HourRank17 coding contest taken by over 3000 participants across the globe.

TRAINING:

- Completed Machine Learning course under Andrew Ng
- Completed Deep Learning Hugo Larochel course
- Completed Deep Learning from DeepLearning.ai
- Certified Agile practioner from TCS.

SKILLS:

PROGRAMMING LANGUAGES :
Java (OOPS & Coding),
C &C++ ,
Python,
JavaScript   ,
R,
SQL,

OTHERS:
React JS
Spring & Spring Cloud
Hibernate
Spring Security
Angular JS
Git