Arun D Prabhu

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EDUCATION

BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE
B.E. (Hons.) Computer Science
Cum. GPA: 8.41/10
August 2019 | Pilani, India

VVS SARDAR PATEL PU COLLEGE
Karnataka State Board
Score(%): 96
May 2015| Bangalore, India

SRI VANI PUBLIC SCHOOL
ICSE
Score(%): 94.33
May 2013| Bangalore, India

COURSEWORK

UNDERGRADUATE
Neural Networks and Fuzzy Logic
Cryptography
Computer Networks
Operating Systems
Data Structures and Algorithms
Object Oriented Design
Database Systems

CERTIFICATIONS

DEEPLEARNING.AI
Convolutional Neural Networks
Sequence Models

SKILLS

PROGRAMMING
Strong
• C++ • Python • C
Familiar
• Java Frameworks
• Vert.x • Tensorflow • Keras

EXPERIENCE

ROBERT BOSCH CENTER FOR CYBER PHYSICAL SYSTEMS, IISC | Intern
Jan 2019 - Jun 2019 | Bangalore, India

- Created and developed the standardized API for **India Urban Data Exchange (IUDX)** which stores the catalogue of devices in a smart city, using Vert.x.
- This project is funded by Ministry of Urban Affairs.The first version has been deployed for Pune government.

BUYHATKE | Summer Intern
May 2018 - July 2018 | Bangalore, India

- Designed and implemented models for **aspect-based sentimental analysis** on e-commerce reviews which will be used to search for products based on aspect ratings.
- Models were implemented using machine learning [**SVM**], deep learning [**tree LSTM and memory neural networks**], and linguistic techniques [based on **syntactic parsing**].

SUN PLUS SOLUTIONS | Summer Intern
May 2017 - July 2017 | Bangalore, India

- Implemented a **transfer of control protocol** between servers to access scanner via HTTP.
- This was integrated into their product, Etihad Service Center, which provides government-related transactions in UAE.

PROJECTS

PAIN RECOGNITION USING SURFACE CURVES AND NORMALS | Computer Vision
Jan 2018 - May 2018
Worked under Dr.A S Mandal [Chief Scientist, CEERI] on identifying whether a person is in pain from his facial expressions. Models were implemented by using **SVM** on data extracted by surface normals for 3-d dataset and **CNN** using facial parts for 2-d dataset.

SEMANTIC SEGMENTATION | Computer Vision
Apr 2018 - Apr 2018
Implemented semantic segmentation by converting VGG net into **fully convolutional neural network**. Upsampling was done via deconvolution.

COMPILER CONSTRUCTION | Compiler Design
Jan 2018 - May 2018
Built a compiler based on the specifications given by Prof. Vandana Agarwal, for the partial fulfillment of the course- Compiler Construction.

EMPORIUM - A DECENTRALIZED ADVERTISEMENT PLATFORM | Blockchain
Jun 2018 - Jun 2018
Created a decentralized advertisement platform and deployed it on **Ropsten** Ethereum test network as a part of Buyhatke Codeathon.

POSITIONS OF RESPONSIBILITY

2018 **Teaching Assistant** Object Oriented Programming