AMOGHA SUBRAMANYA D A

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OBJECTIVE:

To work as a key player in challenging and creative environment by utilizing my skills and abilities to achieve organizational as well as personal goals.

ACADEMIC DETAILS:

Year	Degree/Education	Board/University	Percentage/C.G.P.A
2015-Present	B.E in Computer Science and Engineering	SJCE Autonomous (Affiliated to VTU, Belgaum)	C.G.P.A=9.72/10 (Semesters I-VI)
2013-15	XII	Dept. of PUE, Karnataka	95.33
2013	X	CBSE	C.G.P.A=9.4/10

INTERNSHIP:

Internship at "Philips Healthcare" – June 2018 to July 2018.

- Part of Radiology & Cardiology department under Research team.
- Working on:
  - Automatic Annotation and Conversion of Clinical text data to Semantic Web formats, using Natural Language Processing & classical Machine Learning Algorithms. (Language: Python)
  - Conversion of Unstructured Liver Radiology Reports into Structured format and Analysis of reports, using Pattern Matching & Natural Language Processing (Language: Python)

PROJECTS AND OTHER IMPLEMENTATIONS:

1) **Keywords extractor**
   An un-supervised model to extract keywords from the given input text using Wikipedia Corpus.

2) **Recommender System for Movie Recommendation**
   A movie recommendation system developed using Singular Value Decomposition method of dimensionality reduction.

3) **Market Basket Analysis**
   Implementation of Apriori algorithm, an Association Analysis method to find frequently bought item-set(frequent-set) and rules for a given set of transactions.

4) **Forecasting duration of TCP connection**
   A comparative study of time series models to predict 'duration' of TCP connection. (Involved Data Wrangling, Data Statistics & Data Modelling of the data collected from Capsule8 sensors)

5) **Sign Language Classifier**
   A Convolution Neural Network to recognise hand signs and tell us how many fingers one is holding up. This architecture includes two convolution and max pooling layers & three dense layers.

6) **To Predict Length of Stay in ICU**
   A predictor model developed as a part of Philips Hackabout 2017 competition that predicts duration of stay of a patient in ICU. (Model based on MIMIC database)

7) **Forecasting Footfalls**
   A generic model developed to collect information about number of people entering a place & to predict the same for short term and long term future. (Developed for Deloitte TechnoUtsav 2018)

8) **Binary classifier for images**
   A binary classifier based using logistic regression & ANN that classifies 64x64 pixel coloured images of cats (Cat v/s Non-Cat) with 70% accuracy & 80% accuracy respectively.

9) **Housing Price Prediction**
   Implementation of Linear Regression to predict the house prices based on the features like house size and number of rooms.

10) **Mini C Parser**
   A Mini version of C Parser implemented using Lex & Yacc.

TECHNICAL SKILLS

- **Languages known**: C (advanced), C++ (Basic), Java (Intermediate), Python(Intermediate), HTML(Basic), SQL(Basic).
- **Operating systems**: Windows and Linux
- **Environment**: Anaconda Spyder, Jupyter Notebook, Eclipse, MySQL, Weka.

POSITION OF RESPONSIBILITY

- "Chief Coordinator" at Linux Campus Club, one of the technical clubs of the college
- Working as a Campus Ambassador for Analytics Vidhya.
- Worked as a Campus Ambassdor for Schneider Electric India.

EXTRA-CURRICULAR ACTIVITIES:

- Winners in Philips Hackabout 2017 competition. (Team of 4)
- Finalists in Deloitte TechnoUtsav 2018 (Team of 3)
- Won Vivechan (Mock Placement Competition) conducted by Linux Campus Club, SJCE in 2016 & 2017.
- Conducted Python & Machine Learning sessions on behalf of LCC SJCE(Technical Club of CSE,SJCE)