AJAY B

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OBJECTIVE:

To achieve goals and great heights by working smart and hard and to develop personal and technical skills and to achieve organizational 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=9.63/10 (Semesters I-VI)
2013-15	XII	Dept. of PUE, Karnataka	96.83
2013	X	Karnataka Secondary Education Examination Board	97.76

INTERNSHIPS

1) Internship at "Philips Healthcare" - June 2018 to July 2018.
A part of Research team under Radiology & Cardiology Informatics Department.
Working on:

- Carotid Artery Screening using classical machine learning techniques and deep learning techniques (Transfer Learning and Fine Tuning)

2) Internship at "KAAENAAT", a startup company – August 2018 to September 2018.

PROJECTS AND OTHER IMPLEMENTATIONS:

1) Digit Recognition using CNN:
A convolutional neural network to recognize hand written digits of MNIST dataset using Keras and Tensorflow.

2) Keyword extractor:
An un-supervised model for topic modelling using Wikipedia corpus to predict the topic of given input text.

3) Hand Signs Recognition:
A convolutional neural network and Resnet implementation to recognize hand signs using Keras and Tensorflow.

4) **Housing Price Prediction:**

Implementation of Linear Regression to predict the house prices based on the features like house size and number of rooms.

5) **Image compression using K-means clustering:**

Implementation of K means to reduce the 24 bits (RGB) per pixel images to 4 bits per pixel.

6) **Stock Price prediction:**

A time series approach to predict stock prices developed for TechGIG competition organized by Credit Suisse.

7) **Notice Board Web Application:**

A 3-tier web application for a Department in an organization. (Java Beans was used)

8) **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.

9) **Mini Python-3 Parser:**

A Python-3 Parser implemented using Lex & Yacc.

10) **University Information Portal:**

A Java application that shares information about events happening in and around the University.

11) **Trending Phones:**

A project that suggests the top 10 trending phones using jsoup to scrap the internet for top mobiles.

12) **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)

TECHNICAL SKILLS

Languages known: C, C++, Java, Python, HTML, SQL
Operating systems: Linux, Windows
Environment: Eclipse, Anaconda Spyder, Jupyter Notebook, Octave, MySQL, Weka
Web and Application Servers: Apache Tomcat

POSITION OF RESPONSIBILITY

- "Technical Coordinator" at Linux Campus Club, one of the technical clubs of the college

EXTRA-CURRICULAR ACTIVITIES:

- Winners in Philips Hackabout 2017 competition.
- Won many inter-school and inter-college football matches
- Conducted Python Basics sessions and machine learning sessions in LCC SJCE(Technical Club of CSE,SJCE)