RESHU BISHT

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EDUCATION:

Course	Institution Name	Year of Passing	% of Mark
B.Tech (Computer Science)	VIT UNIVERSITY	2017	9.13 CGPA
12th(Computer Science)	Modern Academy Inter College	2013	94.75%
10th	Modern Academy Inter College	2011	95.6%

SELECTED AWARDS AND SCHOLARSHIPS:

- **Won the CERN OpenLab Summer Student Scholarship for the year 2016 as one among the 40 students on an International level with the acceptance rate of 2.7%.**

AREAS OF INTEREST:

My area of interest lays in the application of **Machine Learning** and **Advance Data Analytics** on **Big Data** platforms for real time applications.

PROJECTS & RESEARCH WORK:

- **Sonification of Root (July 2016)**
  Developed a python based model to sonify the data from ROOT (a data analysis platform of CERN) to help visually impaired scientists analyse the data in the form of sound.

- **Network Intrusion Detection System (January 2016 – May 2016)**
  Worked on a Machine Learning Model for Network Intrusion Detection System on Hadoop Platform (MapReduce) using Parallel SVM and Feature Extraction on Kdd-Nls Dataset to generate intrusion alerts on near-real time basis.

- **San-Francisco Crime Classification(Kaggle Project) (January 2016 – May 2016)**
  Dealt with Crime Classification through Machine Learning on San-Francisco Crime Dataset to analyse and visualise the results using R and Python. I have also worked to propose a new model using the concepts of Non Obvious Relationship Awareness and Criminal Link Analysis.

- **Digit Recognizer (Handwritten Digits) (July 2015- November 2015))**
  Developed a tool which could recognize the handwritten numbers and convert them into digital format to a maximum accuracy using the concept of Image Processing on MATLAB.

- **User Review App (July 2015- November 2015)**
  Developed a web application to help the companies generate authentic feedbacks along with helping the customers gain reward points for it, thereby maintaining a perfect business

EXPERIENCE (INTERNSHIPS):

- **CERN OpenLab Summer Student (June 2016- Present)**
  Dealing with Error Analysis and Prediction (Machine Learning) of faulty valves in the cryogenic system of the CERN LARGE HADRON COLLIDER using R, Spark and ORAAH (Oracle R Advanced Analytics for Hadoop) technologies to not only compare the efficiency of all these technologies on Big Data platform but also to come up with best possible Analytics solutions for the problem.

- **IQLECT Software Solutions Pvt. Ltd. (December 2015)**
  Worked on developing Queries and Complex Event Processing of various systems to be monitored, testing BangDB (NoSQL database) command-line interface and in-house test framework for various analytics and implemented default analytics creation tool (a one-click end to end process completion) for Application Monitoring, as part of IQLECT Java SDK.

- **Ernst & Young (November 2015- January 2016)**
  Worked on a Research paper regarding the impact of social media on the different aspects of business culture.

- **Clytics – (August 2015- November 2015)**
  Implemented Prediction Analysis (Activity Recognition) concepts of Machine Learning and Data Analytics to come up with an efficient algorithm and thereby a tool which can predict to the maximum accuracy the activities taking place in a house using its Energy Data (Python on Anaconda IDE).

- **Candid Cohort – (June 2015- August 2015)**
  Worked on handling website data, feedback/review analysis, digital marketing and content creation for www.quizential.in. Analysing all the user response, I also worked on planning strategies for enhancing company's profits and policies, along with the entire team.

- **IDEA Cellular Lucknow – (June-July 2015)**
  Development of a software/web application for Database Management of the electrical/spare parts between Warehouse, Regional Sites, and the Vendors of the firm throughout their North Division. Along with dealing with a number of Software Life Cycle Development phases, I used MySQL/Oracle database on a XAMPP platform and HTML5, CSS, JavaScript and PHP for the entire dynamic layout.

RESPONSIBILITIES:

- **General Secretary** of the **Fine Arts Club** in **VIT Chennai (2014-15).**

CO-CURRICULAR AND EXTRA-CURRICULAR:

- Completed a 48 hour course on **PHP and DMSQL** at **NIIT training centre**.
- Participated in a 24 hour Hackathon - **Android Amaze** in VIT Chennai.
- Received 3rd prize in **LokiToki HACKATHON** for making a **Windows App** in 24 hours.
- Received training in **Windows App Development** by **Microsoft training partners 3x3 conect**.
- Received training in **Big Data Analysis** by **Microsoft training partners 3x3 conect**.
- Participated in the **LokiToki HACKATHON** organized by **Microsoft** for **Big Data Analysis.**
- Qualified for **National Level Painting Competition** organized by **CISCE** in year **2011**.
- Won **1st prize and 2nd prize** in **state level painting competition** organized by CISCE.