Jyoti Vaishnav

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# Summary

A Data science enthusiast with 10+ years of experience in the field of education & training industry looking to pursue a challenging and motivating career in **Data Science** and **Machine Learning** inengineering & training domain while working on latest technologies.

# SKILLS

* **Statistics/Machine Learning:** Classification, Clustering, Decision tree, Statistical analysis, Linear/Logistic Regression
* **Programming Languages:** Python, C, C++, JAVA Programming, Android
* **Scripting Language:** UNIX
* **Data Base language:** MYSQL, SQL.
* **Packages:** seaborn Scikit-Learn, NumPy, SciPy, Pandas, Matplotlib, Statsmodels, Jupyter notebook.
* **Subject Knowledge:** Operating System, Data base management system, Data Communication and networking, Software engineering,

# EXPERIENCE

## Freelance Trainer*- Freelance Trainer for C++, C, Core JAVA & Python technologies*

## Presidency College, Bangalore*- Assistant Professor*

January 2018 – December 2020

* Taught and supervised graduate and post graduate students. Also worked on course development, supervision for the project work undertaken by students and development of report for industrial projects.
* Involved in research and published papers in academic journals. Represented the College at conferences and delivered presentations.
* Trained students for value added programs & projects on Android, Cloud Computing & Software Engineering

**HKBK Engineering College, Bangalore*- Assistant Professor***

## July 2017 - December 2017

* Trained Post Graduation students on latest technologies. Participated in professional development activities to produce 100% result in the subject taught.

## IIHT, Bangalore*- Senior Technical Trainer*

February 2017 - June 2017

* Technical training to professionals, PG students on latest technologies C, C++ & JAVA, J2EE etc, with excellent feedback & quality by establishing and enforcing organization standards.
* Completed all fulfil primary role function duties including status reports, and training delivery support

## RS College, Bangalore*- Assistant Professor & HOD*

July 2014 – February 2016

* Worked with added responsibility of Head of Dept. Computer Science. Provided necessary inputs to the management for conducting Academic developments.

## Century College (Birla group of Industry), Bangalore*- Assistant Professor*

November 2009 – June 2013

* Taught Programming languages like C, C++, JAVA and Numerical Analysis courses to undergraduate students. Also worked on course development for the organization.

# PROJECTS

* **Project on Unsupervised Learning:**

This project used cluster the vehicles based on fuel consumption attributes to train a regression model Generating synthetic data using existing partially labeled data provided for a wine manufacturer Curate Dimensionally Reduced data to build a supervised learning classification model for an automobile dataset Based on historical data Design a performance ranking model for professional cricket players in IPL Work on various multimedia data for dimension reduction.

**Skills and Tools used:**

Clustering, Support Vector Machines, Principal Component Analysis, Classification, Python

* **Project on Ensemble Techniques:**

This project uses Plotting distribution, Visualization and project was accomplished by deploying a GUI powered by supervised learning and ensemble modeling techniques to build and train a prediction model for a telecom company. This will help them identify the potential customers who have a higher probability to churn. This will enable the company to understand and pinpoints the patterns of customer churn and increase the focus on customer retention strategies.

**Skills and Tools:**

EDA, Logistic regression, Decision Trees, Random Forest, boosting

* **Project on Supervised Learning:**

This project uses the most popular classification techniques to predict the outcomes after an extensive EDA and work missing values, and imbalance in data. This project has two parts. Part 1 - Predicting the condition of the patient depending on the received test results on biomechanics features of the patients according to their current conditions. Part 2 - Build an AIML model to perform focused marketing by predicting the potential customers who will convert using the historical database.

**Skills and Tools:**

Logistic Regression, Naive Bayes, KNN, Classification, Python

* **Project on Applied Statistics:**

This project uses Plotting distribution, Visualization and Hypothesis Testing to validate statistical evidence and leverage information to make effective decisions Part 1 - Answering Industry Problems through Statistical inferences Part 2 - Analyze past tournament information to make informative investment decisions. Part 3 - Analyzing the status of various startups that participated in the Startup Battlefield which is the world’s pre-eminent startup competition.

**Skills and Tools:**

EDA, Data Visualization, Statistical Inference, Hypothesis Testing, Python

* **Project on Health Insurance**

This project used Hypothesis Testing and Visualization to leverage customer's health information like smoking habits, BMI, age, and gender for checking statistical evidence to make valuable decisions of insurance business like charges for health insurance.

**Skills and Tools:**

Hypothesis Testing, Data visualization, statistical Inference

# RESEARCH PUBLICATIONS

* Presented paper on “Security Aspects in Cloud tools and its Analysis-A Study” in International level Conference at Springer – ICISC series 5th International Conference on Inventive System and Control.
* Presented paper on “Sharing of data using enhanced Attribute Based Encryption Technique over cloud computing” in International level Conference at Presidency College Bangalore.
* Presented paper on “Survey on Data Safety and Effectiveness estimation in cloud computing using Cloud Computing Adoption Framework” in International level Conference at Presidency College Bangalore.
* Presented paper on “Sharing of data using Enhanced Attribute Based Encryption Technique over Cloud Computing” in International level Conference at Presidency College Bangalore.
* Papers presented on “An Overview of Cloud Computing in Social Networks” in National level seminar at Garden City College Bangalore.

**EDUCATION**

* *Great Lakes* and the University of Texas at Austin-McCombs, Bangalore - **Post Graduate Program / Artificial Intelligence and Machine Learning.**
* *Visvesvaraya Technological University, Belagavi -* ***PhD (Pursuing Part Time) in Cloud Computing Security***
* *Chhattisgarh Swami Vivekanand Technical University, Chhattisgarh-* ***MCA (Hons).***