**Objective**

To achieve excellence in the working area of statistics, by constantly taking up challenging assignments and continuously upgrade skills to keep pace with the rapidly changing environment.

**Summary :**

Experience in scripting for statistical analysis part of desktop application using R.

Data analysis and interpretation using different statistical techniques.

Good Knowledge of Microsoft office

Experience in microarray data analysis using different tools.

Designing questionnaire and CRFs (Clinical research form)

Experience of arranging workshops and meetings.

**Skills :**

**Regression Analysis**

**Principal Component Analysis**

**Cluster Analysis**

**Predictive modeling**

**Multiple Hypothesis testing ( Includes all types of parametric and non-parametric tests)**

**Survival data Analysis**

**Machine learning**

**Tools used:**

R software

MySQL ,Microsoft SQL

SPSS

SAS

Minitab

TORA

Different tools for microarray data analysis (AMEN,MeV,DAVID)

Microsoft office

**Work Experience: 6 years**

**Project Details:**

Along with this project worked on some assignments

Clustering and modeling for physicians data

Predictions from the results of various model fitting functions and regression analysis for Revenue sensitivity analysis

**Domain Lead (Statistician)**

**Company Name: Persistent Systems Ltd Location: Pune**

**I. Project: Physician World**

**Duration: 1st July 2016 to 12th august 2016**

**Languages/ Technologies Used: R, MySQl, Excel**

**Roles and Responsibilities:**

* Data cleaning and formatting
* Data Processing
* Data Modelling - Text Mining, Classification , Regression predictive modeling  in R
* Model Evaluation

**II. Project: QA and Dev for EARN**

**Duration: September 2015- May 2016**

**Languages/ Technologies Used: RStudio, MySQl**

**Roles and Responsibilities:**

* Gathering and understanding client requirements.
* Creating an Dashboard using Rshiny package to display users demographic as well as financial data.

**III. Project: Statistical Analysis Application Development**

**Duration:** March2015-August2015

**Languages/ Technologies Used: R, MySQl, Excel**

**Roles and Responsibilities:**

* Understanding of the macros given by the client and replicate into R scripts
* Development of the application which is used for Statistical analysis of data provided by user
* Writing R scripts for statistical data analysis for this application

**IV. Project: Microarray data analysis**

**Duration:** June2014 – Feb2015

**Languages/ Technologies Used: R,MedCalc**

**Roles and Responsibilities:**

Analysis of microarray data for Glioblastoma multiform (Cancer type) :

It includes Normalization, summarization and hypothesis testing of data.

* Survival analysis of the data (Kaplan Meier survival plot)
* Published two research paper on the analysis done on microarray data .

**Publications:**

1. Secretory prostate apoptosis response (Par)-4 sensitizes multicellular spheroids

of glioblastoma multiforme cells to tamoxifen-induced cell death

2. Oncostatin-M Differentially Regulates Mesenchymal and Proneural Signature Genes

In Gliomas via STAT3 Signaling

**V. Project: Fitbit (Data collection and analysis)**

**Duration: Dec 2013-May 2014**

**Languages/Technologies Used: R,Excel**

**Roles and responsibilities:**

* Designing Questionnaire for the survey
* Conduct the survey
* Collection of data from Fitbit band
* Analysis and Interpretation of Data

VI .**Project: System biology of skin cells**

**Duration:** January 2012 – Nov-2013

**Languages/ Technologies Used:** R, SPSS

**Roles and Responsibilities;**

* Building packages for microarray data analysis in R.
* Analyze different microarray data.
* Working on the development of the tool which is used for microarray data analysis and pathway building.

**VII. Project: Diabetology data analysis**

**Duration:** February 2011 – January 2012

**Software Used:** SPSS, R , Excel

**Roles and Responsibilities:**

* Analysis of data gathered from different studies using R and SPSS
* Designing CRF's(Clinical research form) for different studies using open clinica
* Data entry and verification for studies took place in Diabetes research Centre in KEM

**Dissertation work:**

Worked on a topic entitled

1) **“The statistical analysis of dry and wet spells**” includes study of extreme precipitation events such as floods and drought using dry and wet sequences in M.Sc.

2) **“Comparison of anxiety of students”** includes comparison of anxiety of students according to area, gender, education and marital status using different statistical tests.

**Educational Qualification –**

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Name of Exam.** | **Institute** | **Percentage/**  **GPA** |
| 2010 | M.Sc. (Statistics) | Department of statistics, University of Pune | 2.71/6 |
| 2008 | B.Sc. (Statistics) | Prof.Ramkrishna More ACS College,Akurdi | 81.47 % |
| 2005 | HSC | Shri.Mhalasakant Junior College,  Akurdi | 76 % |
| 2003 | SSC | Prarana High School,Pradhikaran ,  Nigdi | 85.86% |

**Personal details:**

**Name** : Dipali

**Date of birth** : 8th Nov 1987

**Marital status** : Married

**Nationality** : Indian