PARVATHY T

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ACADEMIC QUALIFICATION

YEAR	DEGREE	INSTITUTE	CGPA/%
2016- Present	M.Tech (Industrial and Management Engineering)	Indian Institute of Technology, Kanpur	9.75*
2013	B.Tech (Industrial Engineering)	College of Engineering Thiruvanathapuram	8.52
2009	Class XII, Kerala Board	S.M.H.S.S. Patharam	94.67%
2007	Class X, Kerala Board	S.M.H.S.S. Patharam	10

* Pursuing

WORK EXPERIENCE

Associate Consultant, Oracle Financial Services Software Ltd   *Sept'13 - Apr'15*

- Enhanced FLEXCUBE (OFSS's flagship product for core banking solutions) as per functional requirements specified by the financial institutions and converting them to development specifications and implemented solutions at client's site.
- Developed client-side through XML, Java Script, Visual Basic and server-side through Java and Visual C++ to interact with Oracle11g database. Created Business Intelligence reports as per client's requirements by extracting data from the Oracle database.

INTERNSHIP

Data Science Intern at CoreCompete Pvt. Ltd.   *May'17 - July'17*

Project: Basket and Customer Segmentation for UK based Retailer.

- Understanding the client's transaction data, pre-processing, developing insights of current scenario using RFM segmentation, Descriptive analytics and Shopping Mission segmentation , finding the association rules by Market Basket Analysis and recommending product groups for trade offers.
- **Technology:** Programming Language: SAS | Software: SAS Enterprise Guide, SAS Enterprise Miner, SAS Visual Analytics.

ACADEMIC PROJECTS

Failure mode and effect analysis of A Robotic Plastic Welding Machine[HLL Lifecare Ltd].

- Simulated and validated the production system of blood bags using GSM Arena.
- Statistical analysis was carried out using various data analysis techniques like Graphical analysis and Descriptive statistics methods. Assigned Risk Priority Number [RPN] to failure modes and FMEA table was prepared.

Analysis of the Factors Affecting Concrete Compressive Strength.

- Methodology: multiple linear regression modelling and non-linear regression modelling using R.
- Dataset was analysed to determine the various factors affecting compressive strength of cement and to formulate models depicting the effects of these factors. Log-log model was found out to be best fitted with an adjusted R-square value of 0.81, six highly significant input variables and least standard error of regression.

Analysis of Prices of Cigars in 46 U.S. States over the period 1963-1992

- Methodology: Panel data regression modelling using R.
- Panel Data Regression was applied to the dataset to determine the time variant and state variant effects of the dependent variables on the independent variable price per pack of cigarettes and Fixed Effect Model was found out to be the best suited one.

European Soccer Database : An Analysis

- Methodology: Clustering and Classification using R.
- An unsupervised learning using Agglomerative and Heiraichical clustering was carried out followed by classification using Decision tree, Random forest and Support vector machine to classify the players into distinct groups based on their attributes.

COURSEWORK & SKILLS

Relevant Courses	Data Mining and Knowledge Discovery | Statistical Modelling for Business Analysis | Probability & Statistics | Computer Aided Decision Systems | Operations Research for Management | Design of Production Systems | Operations Management| Introduction to Computing |Management of Projects|System Modelling and simulation | Business Process Modelling | Business Process Patterns |
Technical Skills	C | C++ | HTML | PHP | SQL| SAS | R | python(basic)

POSITION OF RESPONSIBILITY

Internship Coordinator, IME, IIT Kanpur   *Aug'16-July'17*

- Elected as one of the Internship Coordinator of IME department for the year 2016-17.
  Facilitate internship of M.Tech students of IME Department, IIT Kanpur 2016 batch.

AWARDS & ACHIEVEMENT

Academic	Received Academic Excellence Award from IIT Kanpur for the year 2016. Secured 86th rank in Gate 2016 in Production and Industrial Engineering Discipline.
Extra - Curricular	Served in National Cadet Corps (NCC) for 4 years.