***Dr. UMA***

*Email:* [*uma-397479@gulfjobseeker.com*](mailto:uma-397479@gulfjobseeker.com)

*Professional Summary*

* Self-assured individual trained to be a hardworking Researcher as a result of working in several projects. Flexible and poised promoting well-developed skills in NetBeans and R.
* Well-qualified Research Associate knowledgeable about Text Mining with the background as a data reviewer, record keeper and project coordinator. Intelligent and enterprising professional always seeking ways to streamline or optimize processes.
* Background includes data mining, warehousing and analytics. Proficient in Machine Learning and Deep learning concepts. Quality-driven and hardworking with excellent communication and project management skills.
* Perceptive and logical data analyst with the proven ability to communicate with both technical professionals and end users to identify and translate business requirements. Proven ability to build and lead teams of talented professionals to develop valuable process solutions to meet business objectives.

*Skills*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | *Data Validation* |  | *Planning and Implementation* |  |
|  |  |  |
|  | *NLP* |  | *Activity diagrams* |  |
|  |  |  |
|  | *Data Profiling* |  | *Project documentation* |  |
|  |  |  |
|  | *Data Visualisation* |  | *Data Science* |  |
|  |  |  |
|  | *Text Clustering* |  | *Work History* |  |
|  |  |  |

*Educational Qualification and Projects done.*

***Master’s Certification Course:*** *Data Scientist, May 2019- May 2020*

* *Data Scientist Master’s program co-developed with IBM. Hands-on exposure to key technologies including R, SAS, Machine Learning, Python, Tableau, Hadoop and Spark.*

***Ph.D. Computer Science,*** *2019.*

*Successfully defended the thesis in a public Viva-Voce examination for the Ph.D. work, titled*

*“Context Aware Document Search using Semantically Enhanced Clustering and Reverse Indexing Techniques”* and *submitted to The Bharathidasan University on 3rd of October, 2019.*

***Bishop Heber College****- Tiruchirappalli, TN*

* Designed clustering model based on graph structure to enhance the clustering accuracy on documents.
* Devised a document retrieval system based on semantic relationship between the documents based on the terms by tfidf techniques.
* Location based document retrieval is done by incorporating the semantic relatedness and the location names in the documents using Open-NLP and Word-Net packages.
* Course Work Done for Ph.D. on Text Mining and Geographical Information Retrieval with

**CGPA:9.75**

***M.Phil.*** *Computer Science, 2016.*

* *Thesis titled “Data mining to elicit predominant factors causing infertility in women*”hasbeen done and published an article regarding in an International peer-reviewed journal.
* ***Shrimati Indira Gandhi College****- Tiruchirappalli, TN*
* ***CGPA: 8.83***

***Master’s in Computer Applications****, Computer Applications, 2015.*

* *Had a project internship with HCL and developed an Android app AroundMe for propitious categorisation of places in close proximity using GPS.*
* ***Shrimati Indira Gandhi College****- Tiruchirappalli, TN*
* ***CGPA: 7.38***

***Bachelor’s in Computer Science****, Computer Science, 2010.*

* *Project work done on Web Census System by using Java.*
* ***Cauvery College for Women*** *- Tiruchirappalli, TN*
* ***CGPA: 7.56***

*Professional Experience*

* ***Lecturer*** *in Computer Science-**September 2010- August 2012 for the period of* ***2 years***
  + *Handled Computer Applications in Pharmacy.*
    - *Concepts in Information Systems and Software.*
    - *Web Technologies*
    - *Applications of Computers in Pharmacy.*
    - *Bioinformatics*
    - *Computers in Data analysis in Preclinical Development.*

*Professional Training*

* + *Hands on Experience in .Net Bio, AMPHORA, GROMACS, .NET framework SDK, R programming, W3Perl.*
  + *Proficient in R programming, sound knowledge in Data Science.*
* *Participated in* ***Two day Workshop on Predictive Analytics***on from 22ndto 23rdofSeptember 2017 at St., Joseph Institute of Management Tiruchirappalli
* *Participated in the* ***National Seminar on Innovative Computing Technologies***organised byHoly cross college Tiruchirappalli on January 8th 2018.
* *Attended the* ***National seminar on Data science***conducted on 2ndFebruary 2018 by Holycross college Tiruchirappalli
* *Participated in the* ***National workshop on Angular JS***organised by Bishop Heber Collegeon 25th February 2018.
* *Participated in the* ***National Seminar on Computing Technologies***on 25thFebruary 2018conducted by Bishop Heber College, Tiruchirappalli
* Participated in ***One Day International Seminar on Research Concepts in Big Data*** ***Analytics and Internet of Things*** held on 20thMarch organised by Bharathidasan University,Tiruchirappalli
* *Participated and presented a paper in the* ***International Conference on Computer Vision,***

***Networks and Informatics*** organised by The Gandhigram Rural Institute, Dindugal on 22ndand 23rd of March 2018.

Research Contributions:

**Patents:**

Dr. G. Nagarajan, **Dr. M. Uma**, Dr. T. K. Sowmya (2019). “*Evaluation of Cardio protective Activity of Aqueous and Ethanoic Extract of* *Lawsonia Innermis in CaCl2 Induced Arrhythmia in Albino Rats*”Patent Filed:Ref. No: 201941043653. App. Number: TEMP/E-1/45161/2019-CHE. Publication date (U/S 11A): 08/11/2019.

Other Main Responsibilities - Teaching Assistant

• To transfer knowledge including practical skills, methods and techniques on Data Mining • Operating System • Text Mining

* Encourage the development of innovative approaches to course design and delivery and ensure that teaching design and delivery comply with the quality and educational standards and regulations of the department.
* Challenge thinking, foster debate and develop the ability of students to engage in critical discourse and rational thinking. Supervise student projects, mark and assess work and examinations and provide feedback to students.
* Ensure that the teaching content and methods of delivery are in accordance with equal opportunities, and respond to issues relating to staff and student needs.

Core Competencies

* Professional, growth oriented, easy adaptive and quick learner.
* Talented, independent, responsible, hardworking and efficient in analytical complex solving issues.
* An extrovert with very good blending capabilities.
* An absolute team player with good communication skills.
* Ability to deal with a diverse range of cultures and nationalities internationally.
* Highly competent self-motivated, hardworking with the ability to rapidly learn and apply new skills.

*Personal Information*

*Date of Birth: 20.06.1990*

*Languages known: Tamil, English, Hindi*

*Marital Status: Married.*

*Declaration*

I solemnly declare that the above information given by me is true to the best of my knowledge.

Place: Tiruchirappalli.

(M.Uma)

Date: