NANTHINI M

C5, RR FLATS,

RAM NAGAR,

MADIPAKKAM MAIN ROAD,

CHENNAI 600091

Mobile : (+91) 8778708856

E-Mail : [mnanthini.cse@gmail.com](mailto:mnanthini.cse@gmail.com)

**OBJECTIVE :**

Aiming to achieve a challenging and successful career where I can make a significant contribution using my innovative ideas, skill, knowledge, and experience with the objective of development and growth of the organization

**ACADEMIC QUALIFICATION :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **QUALIFICATION** | **SPECIALIZATION** | **BOARD/ UNIVERSITY** | **YEAR OF PASSING** | **PERCENTAGE / CGPA** |
| **M.E.** | CSE | Anna University, MIT Campus, Chennai. | 2016 | **8.8** |
| **B.E.** | CSE | St. Joseph’s College of Engineering,  Anna University, Chennai | 2014 | **8.3** |
| **HSC** | BIOLOGY | Kalaimagal Matriculation Higher  Secondary School, Thanjavur | 2010 | **92** |
| **SSLC** | \*\*\* | Kalaimagal Matriculation Higher  Secondary School, Thanjavur | 2008 | **90** |

**EXPERIENCE :**

|  |  |  |  |
| --- | --- | --- | --- |
| NAME OF THE INSTITUTION | DESIGNATION | DEPARTMENT | YEARS OF EXPERIENCE |
| K. Ramakrishnan College of Technology, Trichy | Assistant Professor | CSE | 3 Years (July 2016 to May 2019) |
| Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai | Assistant Professor | CSE | 1 Year 6 months(June 2019 to November 2020) |

I am currently Pursuing Part time Ph.D. in the field of Big Data Analytics at SRM Institute of Technology, Chennai.

**TECHNICAL SKILLS :**

Programming Knowledge : Python and C

Operating System : Windows & Ubuntu

**SPECIALIZATION :**

* Problem-Solving and Python Programming
* Big Data Analytics
* Machine Learning and Deep Learning Techniques

**CERTIFICATIONS :**

* Completed a course in Core Java at NIIT Training Centre, Chennai, and obtained the Core Java Certificate.
* Completed a course in OCJP at NIIT Training Centre, Chennai, and certified as **Oracle Certified Java Programmer.**
* Completed the first level in **Python Programming** at Teaching Learning Centre, KRCT.
* Completed **Programming Essential in** **Python** through **CISCO NETACAD**
* Completed **Programming for Everybody** through **COURSERA** by University of Michigan.
* Completed **AI for Everybody** through **COURSERA** by Stanford University.
* Completed **Python Data Structures** through **COURSERA** by University of Michigan.

**SUBJECTS HANDLED :**

* Problem-Solving and Python Programming
* Resource Management Techniques
* Programming Essential in Python
* Computer Architecture
* Total Quality Management
* Computer Programming
* Operating Systems
* Distributed Systems
* Object Oriented Analysis and Design
* Software Project Management

**PROJECTS :**

**Title:** An Efficient Hybrid Filtering based Personalized Recommendation across the Domains

**Objective:** To effectively alleviate the Sparsity problem in Recommender System.

To improve the rating prediction performance and provide Recommendation

across the domain.

**Title:** Higher Order Singular Value Decomposition based image fusion

**Objective:** The main aim is to fuse the source images by HOSVD technique and fuse the local

information of the image rather than total information.

**PUBLICATIONS :**

* Published a paper on “Latent Variable based Dimensionality Reduction across the

Domains in Recommender System” in Third International Conference on Next Generation Communication Technologies 2016, Dubai, UAE and also extended paper in **International Research Journal of Electronics and Computer Engineering** Vol 2(2) Apr-Jun 2016.

* Presented a paper on “An approach to improve the efficiency of Resource Utilization in Cloud Environment” in Second International Conference on Innovative and Emerging Trends in Engineering and Technology at Panimalar Institute of Technology, Chennai. 2017.
* Presented a paper on “Efficient and Secure File Deduplication in Cloud Storage” in International Conference on Current Research in Engineering Science and Technology (ICCREST)on March 2017.
* Presented a paper on “HABE: A Secure File Store in Cloud Environment” in International Conference on Innovative Engineering Initiatives (ICIEI)on March 2019.
* Presented a paper on “Hybrid Recommendation using SVD Model and Bayesian Classification Algorithm” in Second International Conference on Innovations in Electrical, Information and Communication Engineering (ICIEICE)on March 2019.
* Presented a paper on “Design and Implementation of Real Time Vehicle Accident Detection and Alerting System” in International Conference on Innovative Engineering Initiatives (ICIEI) on March 2019.
* Presented a paper on “A Novel Approach towards Secure Sharing of Electronic Health Records” in the International Conference on Recent Trends and Current Research in Engineering and Technology (ICRTCRET) on March 2019.
* Published a paper on “**Two Level RNN Based Personalized Recommendation in Tourism Domain** ” International Conference on Cyber-Technologies and Emerging Sciences (ICCTES) -2021 and published by [**Lecture Notes in Networks and Systems, Springer Nature**](https://www.google.com/url?q=https%3A%2F%2Fwww.springer.com%2Fseries%2F15179&sa=D&sntz=1&usg=AFQjCNEQSEqAMxmTI4QjN5-MVogjlfn-_w), ISSN: 2367-3370, Aug 2022, **Indexed by SCOPUS**.
* Published a paper on “**Cold-Start and Data Sparsity Problems in Recommender System: A Concise Review** ” International Conference on Innovative Computing and Communication -2022 and published by [**Lecture Notes in Networks and Systems, Springer Nature**](https://www.google.com/url?q=https%3A%2F%2Fwww.springer.com%2Fseries%2F15179&sa=D&sntz=1&usg=AFQjCNEQSEqAMxmTI4QjN5-MVogjlfn-_w), ISSN: 2367-3370, Sep 2022, **Indexed by SCOPUS**.

**ACHIEVEMENTS :**

* Consistent performer throughout academics with above 80% grades at all levels.
* Achieved **100%** results in **Total Quality Management and Python Programming** at ANNA UNIVERSITY Examination.
* Actively participated in various technical and non-technical activities.
* Held the post of Lady Chairman in the Association of Computer Technology.
* Actively involved in organizing various extra-curricular activities.

**INDUSTRIAL VISIT :**

* Underwent an industrial visit to **BSNL** at Thanjavur to gain knowledge about the Communication Technology
* Industrial Visit to **Prestige Group**, Bangalore to gain knowledge on Production, Planning, and control in quality systems.

**WORKSHOP AND TRAINING :**

* Attended a workshop on **“Machine Learning”** at IIT Madras.
* Attended a workshop on **“Big Data Analytics with R”** at MIT Campus, Anna University, Chennai.
* Hands-on experience in **Big Data and Cloud Computing** workshops arranged by Madras Institute of Technology, Chennai.
* Attended a workshop on **“Linux Administration and C-Programming”** at CEG Campus, Anna University, Chennai.
* Attended a workshop on **“Android Application on IOT”** at Kumaraguru College of Technology, Coimbatore.
* Attended a FDP on **“Resource Management Techniques”** at TRP Engineering College, Trichy.
* Attended a FDP on **“Data Warehousing and Data Mining”** at KRCT College, Trichy.
* Attended a workshop on **“Python Programming”** at University College of Engineering, BIT Campus, Trichy.
* Attended a FDP on **“Grid and Cloud Computing”** at Anjalai Ammal Engineering College, Thanjavur.
* Attended a FDP on **“Internet of Things”** associated with ICT Academy at KRCT College, Trichy.
* Workshop on Emerging Hands-On Sessions on "**AWS in Cloud Computing**", Organised by CSE Department, Rajalakshmi Engineering College, Chennai
* Workshop on "**Cloud Security and Cloud Services**" Organized by CSE Department, SRMIST, Chennai
* Teaching Professors Workshop on **Project based Learning** organized by Department of CSE, Veltech, Chennai
* Faculty Training on "**Padagogy and Active Learning**" organized by CSE Department, Veltech, Chennai

**EXTRA CURRICULAR ACTIVITIES :**

* Organized Intra and Inter college Technical Symposiums.
* Participated and won in various dance competitions at school and college levels.
* Played the role of class representative for a period of two years in college.

**ROLES AND RESPONSIBILITIES :**

* Placement Trainer
* Guest lecturer In charge
* Timetable In charge

**PERSONAL DETAILS :**

Father’s Name : Mr. B. Mohan

Mother’s Name : Mrs. M. Subbulakshmi

Date of Birth : 15 February 1993

Nationality : Indian

Religion : Hindu

Languages : Tamil and English

Mother Tongue : Tamil

**REFERENCES :**

Dr. P. Anandha Kumar B.E. (ECE), M.E.(CSE),Ph.D.

Professor

Information Technology

Madras Institute of Technology

anandh@mitindia.edu

Dr. C. Valliyammai M. Tech. (CSE), PhD

Assistant Professor (Sr. Grade)

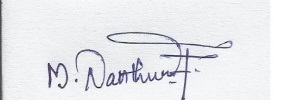
Computer Technology

Madras Institute of Technology

cva@mitindia.edu

**DECLARATION :**

I hereby declare that the information furnished above is true to the best of my knowledge.

**Place : Chennai **

**Date : 19-06-2023 (M.Nanthini)**