# **CURRICULUM VITAE**

# Dr. H. BENJAMIN FREDRICK DAVID

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## **OBJECTIVE:**

To work in a healthy, innovative and challenging environment, which will, extract the best out of me. I intend to learn more and produce the desired results for the growth of both the institution and myself. I will be a valuable asset to the institution.

## **EDUCATIONAL QUALIFICATIONS:**

Qualification	Field	Institution	Month and Year of passing	Marks/Credits Secured	Aggregate (%) / Aggregate (CGPA)	Class/ Specialization
M.B.A.	H.R.M	Alagappa University, Karaikudi	April 2024	-	75	First Class
Ph.D.	Computer Science	Dept. of CSE, Manonmaniam Sundaranar University, Tirunelveli	Feb, 2020	-	6.50	Data Mining
M.Phil.	Computer Science	Dept. of CSE, Manonmaniam Sundaranar University, Tirunelveli	July, 2016	3376	84.4	First
M.Sc.	Computer Science	V.O Chidambaram College, Tuticorin	April 2015	7239	80.43	First with Distinction
B.Sc.	Computer Science	Kamaraj College, Tuticorin	April 2013	2238	82.8	First with Distinction
H.S.C	Maths/ Computer Science	Caldwell HSS, Tuticorin	March 2010	806	67	Second
S.S.L.C	-	Caldwell HSS, Tuticorin	March 2008	419	84	First



## **ADDITIONAL QUALIFICATIONS:**

Qualification	Field	Institution	Year of passing	Grade
Master in Software Application	Software	Apollo Computer Education Ltd., Nazareth	July, 2016	A+
Diploma in Computer Hardware	Hardware	St. Michael, Tuticorin	Mar, 2012	
Master in Multimedia Visualizer	Multimedia	Apollo Computer Education Ltd., Nazareth	Dec, 2011	A+
Honours Diploma in Computer Applications	Software	CSC, Tuticorin	July, 2010	A

#### **AREA OF INTEREST:**

Machine Learning, Data Mining, Image Processing, Big Data Analytics, Software Development, Game Development, Web Design & Development, Mobile Applications Development

## **SOFTWARE DEVELOPED:**

**Code Editor**– IDE for Unity 3D Game Programming URL: <a href="https://github.com/Benjamindavid03/CodeEditor">https://github.com/Benjamindavid03/CodeEditor</a>

JBlaze Engine – A Java based Game Engine for Game Development

URL: https://benjamindavid03.github.io/JBlazeEngine/

**Admission App** – Admission App for K. R. College of Arts & Science, Kovilpatti URL: <a href="https://play.google.com/store/apps/details?id=com.blaze.krcollegeapplication">https://play.google.com/store/apps/details?id=com.blaze.krcollegeapplication</a>

College Website – Website for K. R. College of Arts & Science, Kovilpatti

URL: http://www.krcollege.net

## **VIDEO GAMES DEVELOPED:**

**Tale of Cities** – City Builder Android Game

Genre: Simulation, Casual, Strategy, City Building.

URL: https://play.google.com/store/apps/details?id=com.blaze.TaleofCities

#### **SUBJECTS HANDLED:**

**UG:** C, C++, Android Programming, Web Technology, Fundamentals of Internet, Basic Programming Design, Digital Era, Multimedia Applications, Mobile Application Development, Software Engineering & Testing.

PG: Data Mining, Compiler Design, Machine Learning, Research Methodology, AI and ML

## **LABS HANDLED:**

C, C++, .NET, Oracle, PHP & MySQL, Web Technology, MySQL, Machine Learning

## **ACADEMIC EXPERIENCE:**

K. R. College of Arts and Science, Kovilpatti, Tamil Nadu, India.

Assistant Professor. (17, July 2019 – Present) - 5 years, 8 days.

Classification: (UG – 5 years, 8 days; PG 4 year 8 days)

## **ADMINISTRATIVE EXPERIENCE:**

- K. R. College of Arts and Science, Kovilpatti, Tamil Nadu, India.
  - \* EDC Coordinator. (Dec 2019 Present) 4 years, 7 month.
  - \* Google Administrator. (Dec 2019 Present) 4 years, 7 months.
  - \* Training and Placement Officer. (Aug 2022 Present) 1 year, 11 months.
  - \* Naan Mudhalvan Coordinator. (Aug 2022 Present) 1 year, 11 months.
  - \* Niral Thiruvizha Coordinator. (Dec 2023 Present) 7 months.

## **PROFESSIONAL EXPERIENCE:**

Apollo Computer Education Ltd., Nazareth, Tamil Nadu, India.

Part Time Faculty. (07 May 2010–10 June 2019) – 9 years, 1 month, 3 days.

#### Ph.D. GUIDESHIP:

Obtained Ph.D. Guideship from Manonmaniam Sundaranar University, Tirunelveli.

#### **MEMBERSHIP IN COMMITTEES:**

Board of Studies Member in Department of Computer Science, St. Xavier's College, Palayamkottai.

#### **PUBLICATIONS:**

#### **SUMMARY:**

Number of SCIE indexed journals	: 4
Number of Scopus indexed journals	: 8
Web of Science indexed journals	: 4
Elsevier indexed journals	: 1
Anna University Annexure journals	: 6
IET Inspec journals	: 3
UGC CARE Indexed journals	: 13
International Conference Proceedings	: 8
National Conference Proceedings	: 1

## **INTERNATIONAL JOURNALS:**

- A Sinduja, H Benjamin Fredrick David, C Sathiya Kumar, SP Raja, (2024), "Detecting Tumors in Medical Images using Segmentation and Feature Extraction Techniques", e-Prime Advances in Electrical Engineering, Electronics and Energy, Elsevier, (Scopus indexing, UGC CARE listed), Vol. 9, Issue: September 2024, pp. 100614 IF: 2.1. (https://doi.org/10.1016/j.prime.2024.100614)
- 2. R. Ame Rayan, A. Suruliandi, S.P. Raja, **H Benjamin Fredrick David** (2023), "A survey on an analysis of big data open source datasets, techniques and tools for the prediction of corona virus disease", Journal of Circuits, Systems and Computers, World Scientific, Vol. 32, No. 12,

- pp. 2330003 (Web of Science, SCIE indexing, Scopus indexing, Anna University Annexure-2, UGC CARE listed) IF: 1.363. (https://dx.doi.org/10.1142/S0218126623300039)
- 3. H. Benjamin Fredrick David, A. Suruliandi and S.P. Raja (2022) "Predicting Corona Virus Affected Patients using Supervised Machine Learning." International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, World Scientific, Vol. 30, No. Supp01, pp. 141-167 (Web of Science, SCIE indexing, Scopus indexing, Anna University Annexure-2, UGC CARE listed) IF: 1.518. (https://doi.org/10.1142/S0218488522400086)
- 4. H. Benjamin Fredrick David, A. Suruliandi and S.P. Raja (2021) "Stacked Framework for Ensemble of Heterogeneous Classification algorithms." Journal of Circuits, Systems and Computers, World Scientific, Vol. 5, No. 25, pp. 2150269 (Web of Science, SCIE indexing, Scopus indexing, Anna University Annexure-2, UGC CARE listed) IF: 1.363. (https://doi.org/10.1142/S0218126621502698)
- 5. **H. Benjamin Fredrick David** (2020) "Impact of Ensemble Learning Algorithms towards Accurate Heart Disease Prediction." ICTACT Journal on Soft Computing, ICT Academy of Tamil Nadu, Vol. 10, No.3, pp.2084-2089. (IET Inspec indexing, UGC CARE listed, Google Scholar indexing) IF: 0.787. (DOI: 10.21917/ijsc.2020.0296)
- 6. H. Benjamin Fredrick David, A. Suruliandi and S.P. Raja (2019) "Constructive Lazy Wolf Search Algorithm for Feature Selection in Classification. International Journal on Artificial Intelligence Tools, World Scientific, Vol. 28, No.5 (Web of Science, SCIE indexing, Scopus indexing, Anna University Annexure-2, UGC listed [Journal No: 7774]) IF: 0.849. (https://doi.org/10.1142/S0218213019500167)
- A. Suruliandi, H. Benjamin Fredrick David and S.P. Raja (2019) "Attribute Rank based Weighted Decision Tree", International Journal of Applied Decision Sciences, Inderscience, Vol. 13 No. 1, pp. 46-73(Scopus indexing, Anna University Annexure-1, UGC listed [Journal No:2555]) IF: 0.282. (https://doi.org/10.1504/IJADS.2020.104309)
- 8. **H. Benjamin Fredrick David** and A. Suruliandi.(2019) "**Performance Evaluation of Ensemble Classifiers on Benchmark Datasets**." Journal of Emerging Technologies and Innovative Research, IJ Publication, Vol. 6, No.2, pp.926-930. (UGC listed[Journal No:63975], Google Scholar indexing)IF: 5.87.
- 9. **H. Benjamin Fredrick David** and A. Suruliandi.(2019) "**Empirical Study of Ensemble Classifications on Benchmark Datasets**." Journal of Analysis and Computation, Serial Publishers, pp.1-10. (UGC listed [Journal No:26412], Google Scholar indexing) IF: 5.859.
- 10. **H. Benjamin Fredrick David**, A. Suruliandi and S.P. Raja (2019) "**Preventing crimes ahead of time by predicting crime propensity in released prisoners**", International Journal of Applied Decision Sciences, Inderscience, Vol.12 No.3, pp.307 336. (**Scopus indexing**, **Anna**

- **University Annexure-1**, UGC listed[Journal No:2555]) IF: 0.282. (https://doi.org/10.1504/IJADS.2019.100433)
- 11. H. Benjamin Fredrick David and S. Antony Belcy. (2018) "Heart Disease Prediction using Data Mining Techniques." ICTACT Journal on Soft Computing, ICT Academy of Tamil Nadu, Vol. 9, No.1, pp.1824-1830. (IET Inspec indexing, UGC CARE listed, Google Scholar indexing) IF: 0.787. (DOI: 10.21917/ijsc.2018.0253)
- 12. H. Benjamin Fredrick David and A. Suruliandi.(2017) "Survey on Crime Analysis and Prediction using Data Mining Techniques." ICTACT Journal on Soft Computing, ICT Academy of Tamil Nadu, Vol. 7, No.3, pp.1459-1466. (IET Inspec indexing, UGC CARE listed, Google Scholar indexing) IF: 0.787. (http://doi.org/10.21917/ijsc.2017.0202)
- 13. H. Benjamin Fredrick David, R. Balasubramanian, and A. Anbarasa Pandian. (2016) "CBIR Using Multi-Resolution Transform for Brain Tumour Detection and Stages Identification." World Academy of Science, Engineering and Technology, Vol. 10, No. 11, pp.543-553.(UGC listed[Journal No: 33105, Scopus Indexing, Google Scholar indexing). (http://doi.org/10.5281/zenodo.1316720)

### INTERNATIONAL CONFERENCE PRECEEDINGS:

- 1. V. Kamatchi and H. Benjamin Fredrick David, "Classification of Rocks and Mines using Machine Learning Techniques" In the International Conference on Recent Innovations in Computer Science, Smart Technology and Artificial Intelligence (ICRICSA 2023) held at Department of Computer Science, Sri Sarada College for Women (Autonomous), Tirunelveli 627 011 on 23<sup>rd</sup> December 2023.
- 2. M. Yamuna and H. Benjamin Fredrick David, "Understanding the Predominance of Women in Higher Education around Kovilpatti Region using Machine Learning Techniques" In the International Conference on Recent Innovations in Computer Science, Smart Technology and Artificial Intelligence (ICRICSA 2023) held at Department of Computer Science, Sri Sarada College for Women (Autonomous), Tirunelveli 627 011 on 23<sup>rd</sup> December 2023.
- 3. B. Pavithra and H. Benjamin Fredrick David, "Prediction of Accurate Estimated Time of Arrival in Food Delivery Apps using Machine Learning Techniques" In the International Conference on Recent Innovations in Computer Science, Smart Technology and Artificial Intelligence (ICRICSA 2023) held at Department of Computer Science, Sri Sarada College for Women (Autonomous), Tirunelveli 627 011 on 23<sup>rd</sup> December 2023.
- 4. R. Ame Rayan A. Suruliandi and **H. Benjamin Fredrick David**, "A Comprehensive Study on Covid-19 Open Source Datasets" In the International Conference on Advanced Computing (ICAC 2022) held at Department of Computer Science, Bharathiar University, Coimbatore 641 046 on 3<sup>rd</sup> and 4<sup>th</sup> March 2022.

- 5. M. Anitha and **H. Benjamin Fredrick David**, "Identifying Poisonous Mushrooms and **Performance Analysis of Data Mining Techniques**" In the International Conference on Recent Trends in Computing and Information Technology (RTCIT-2022) held at Sarah Tucker College, Tirunelveli on 11<sup>th</sup> and 12<sup>st</sup> February 2022.
- 6. N. Lavanya and H. Benjamin Fredrick David, "Heart Disease Prediction using Supervised Machine Learning Techniques" In the International Conference on Recent Trends in Computing and Information Technology (RTCIT-2022) held at Sarah Tucker College, Tirunelveli on 11<sup>th</sup> and 12<sup>st</sup> February 2022.
- 7. A. Anbarasi and **H. Benjamin Fredrick David**, "**Predicting Customer's Buying Behaviour using Machine Learning Techniques**" In the International Conference on Recent Trends in Computing and Information Technology (RTCIT-2022) held at Sarah Tucker College, Tirunelveli on 11<sup>th</sup> and 12<sup>st</sup> February 2022.
- 8. A. Jai Ruby, **H. Benjamin Fredrick David** and J. Steffi, "Learner Retention Analysis in Online Courses using Data Mining Techniques", In the International Conference on Recent Trends in Computing and Information Technology (RTCIT-2022) held at Sarah Tucker College, Tirunelveli on 11<sup>th</sup> and 12<sup>st</sup> February 2022.
- 9. A. Jai Ruby, **H. Benjamin Fredrick David** and E. Julie Ruth, "**Effective E-Learning from EEG Dataset using Data Mining Techniques**", In the International Conference on Recent Trends in Computing and Information Technology (RTCIT-2022) held at Sarah Tucker College, Tirunelveli on 11<sup>th</sup> and 12<sup>st</sup> February 2022.
- 10. **H. Benjamin Fredrick David** and A. Suruliandi "**Performance Evaluation of Ensemble Classifiers on Benchmark Datasets.**" In the International Conference on Recent Trends in Multi-Disciplinary Research (ICRTMDR-18) held at A.P.C. Mahalaxmi College for Women, Tuticorin on 20<sup>th</sup> and 21<sup>st</sup> December 2018.
- 11. **H. Benjamin Fredrick David** and A. Suruliandi "**Empirical Study of Ensemble Classifications on Benchmark datasets.**" In the International Conference on Emerging Trends and Challenges in Computer Science (ICETC '18) held at NPR Arts and Science College, Natham, Dindigul on 28th December 2018.

## **NATIONAL CONFERENCE PRECEEDINGS:**

 H. Benjamin Fredrick David and I. Ravi "Performance Evaluation of Ensemble Learning Algorithms for Accurate Heart Disease Prediction." In the One-day National Conference on Cognitive Science (NCCS2019) held at Aditanar College of Arts and Science, Tiruchendur on 11th October 2019.

# **EDITORIAL BOARD MEMBER IN INTERNATIONAL JOURNALS:**

- 1. Editorial Board Member in Inderscience International Journal of Entertainment Technology and Management (IJEntTM), Google Scholar Indexing
- 2. Editorial Board Member in Inderscience International Journal of Forensic Software Engineering (IJFSC), Google Scholar Indexing.

# EDITORIAL BOARD MEMBER IN INTERNATIONAL CONFERENCES:

 Editorial Board Member in RTCIT-2022 – A Two Day International Conference on Recent Trends in Computing and Information Technology organized by Department of Computer Applications and Research Centre & Department of Computer Science on 11<sup>th</sup>& 12<sup>th</sup> February 2022.

## **JOURNAL REVIEWER:**

S. No.	Journal	International/	Publisher		Impact
		National		Indexing	Factor
1	ACM Transactions on Knowledge	International	ACM	Web of	4.54
	Discovery from Data			Science	
2	IEEE SMC Magazine	International	IEEE	SCI	
3	IEEE Transactions on Computational	International	IEEE	Web of	5.36
	Social Systems Review			Science	
4	Peer to Peer Networking and	International	Springer	SCIE/Scopus	3.307
	Applications				
5	Brazilian Archives of Biology and	International	Instituto de	SCI	0.70
	Technology		Tecnologia		
			do Paraná		
6	International Journal of Biometrics	International	Inderscience	Scopus	1.2
7	Int. J. of Sustainable Agricultural	International	Inderscience	Scopus	0.8
	Management and Informatics				
8	International Journal of Image and	International	World	Scopus	0.19
	Graphics		Scientific		
9	Journal of Circuits, Systems, and	International	World	SCIE/Scopus	
	Computers		Scientific		
10	Recent Patents on Computer Science	International	Bentham	Scopus	
			Science		

#### **RESEARCH METRICS:**

Google Scholar : Citations - 227 H- Index - 5 i10-index - 2

Scopus : Citations - 17 H-Index - 3

**Web Of Science**: Citations -6 H-Index -2 Peer reviews -12

## **RESEARCH PROFILES:**

ORCID 0000-0001-9665-9958

VidwanVidwan (inflibnet.ac.in)GithubBenjamindavid03

#### **OTHER POSITIONS:**

1. Ambassador for Bentham Science in India.

## **WORKSHOPS CONDUCTED:**

- 1. Conducted One Day Workshop on "Excel Analytics" on 05<sup>th</sup> July 2024 at Department of Commerce and Banking & Finance, Kamaraj Women's College, Thoothukudi.
- 2. Conducted One Day Workshop on "Python Mastery Workshop: From Basics to Advanced Applications in Data Science, Web Scrapping, ML, NLP and DIP" on 03<sup>rd</sup> April 2024 at Centenary City Complex, Shanthi Nagar Campus, Manonmaniam Sundaranar University, Tirunelveli.
- 3. Conducted One Day Workshop on "Full Stack Development in Flutter" on 07<sup>th</sup> Mar 2024 at Department of Computer Applications, Govindammal Aditanar College for Women, Tiruchendur.
- 4. Conducted One Day Workshop on "**Big Data Analytics**" on 11<sup>th</sup> Dec 2023 at Department of Computer Applications & Research Centre, Sarah Tucker College, Perumalpuram.
- 5. Conducted Workshop on "**Digital Image Processing using MATLAB**" on 13<sup>th</sup> Sep 2023 at Department of Computer Science (SF) in Kamaraj College, Thoothukudi.
- 6. Conducted Workshop on "**Full Stack Development using Flutter**" for faculty and students on 16<sup>th</sup> Aug 2023 at Department of Computer Science in G. Venkataswamy Naidu College (Autonomous), Kovilpati.
- 7. Conducted Two Days Workshop on "Machine Learning" for faculty and students on 16<sup>th</sup> and 17<sup>th</sup> Mar 2023 at Department of Computer Science in Nadar Mahajana Sangam S. Vellaichamy Nadar College, Nagamalai, Madurai.
- 8. Conducted Workshop on "**Installation of Big Data and Machine Learning Tool**" for full-time research scholars on 03<sup>rd</sup> Jan 2023 at Department of Computer Science and Engineering in Manonmaniam Sundaranar University, Tirunelveli.

- 9. Served as a resource person in the Workshop on **Impact Lecture** Sessions on 15<sup>th</sup> July 2022 organized by ASME- Sri Ramakrishna Institute of Technology, Coimbatore.
- 10. Conducted Workshop on "**R Programming**" on 21<sup>st</sup> Mar 2022 at Department of Information Technology in G. Venkataswamy Naidu College, Kovilpatti.
- 11. Conducted One Day Workshop on "**Big Data Analytics using Hadoop**" on 23<sup>rd</sup> Nov 2021 at Department of Computer Science and Engineering in Manonmaniam Sundaranar University, Tirunelveli.
- 12. Conducted One Day Workshop on "**R Programming**" on 18<sup>th</sup> Sep 2021 at Department of Computer Science and Engineering in Manonmaniam Sundaranar University, Tirunelveli.
- 13. Conducted One Day State Level Workshop on "Android Programming" on 25<sup>th</sup> Sep 2019 at Department of Computer Science, K.R. College of Arts and Science, Kovilpatti, Thoothukudi.
- 14. Conducted Three Days Workshop on "**Android Apps Development**" on 15<sup>th</sup>, 16<sup>th</sup> Jul 2019 and 10<sup>th</sup>Aug 2019 at Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli.
- 15. Conducted One Day Workshop on "**Android Programming**" on 30<sup>th</sup> Aug 2019 at Department of Computer Science and Engineering in Manonmaniam Sundaranar University, Tirunelveli.
- 16. Conducted One Day Workshop on "**Web Development using PHP**" on 20<sup>th</sup> Sep 2018 at Department of Computer Science in Manonmaniam Sundaranar University Constituent College of Arts and Science, Kadayanallur, Tirunelveli.
- 17. Conducted One Day Workshop on "**Programming in PHP**" on 10<sup>th</sup> Aug 2018 at Department of Computer Science & Engineering in Manonmaniam Sundaranar University, Tirunelveli.

## **SEMINARS CONDUCTED:**

- 1. Delivered One Day Guest Lecture on "**Data Mining and its Applications**" on 12<sup>th</sup> Jan 2019 at Department of Computer Applications in Sri Kaliswari College, Sivakasi.
- 2. Delivered One Day Seminar on the title "**Big Data Analytics**" on 19<sup>th</sup> Feb 2024 at Department of Computer Science, St. Mary's College (Autonomous) Thoothukudi.

## FACULTY DEVELOPMENT PROGRAMMES CONDUCTED:

- Served as Resource Person in IET Sponsored Short Term Training Programme on "Data Science and Intelligent Cloud Computing" Organized by Department of Computer Science and Engineering, SRM Institute of Science and Technology, College of Engineering and Technology, Vadapalani, Chennai from 21<sup>st</sup> July 2022.
- Served as Resource Person in Three days Faculty Development Programme on "E-Content
  Development and Latex" Organized by Department of Computer Applications & Research
  Centre, Sarah Tucker College, Perumalpuram from on 27th to 29th July 2021.

3. Served as Resource Person in Two days Internship Programme on "Enhancing Teaching – Learning Process in Higher Education using ICT Tools" Organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli sponsored by Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, (MHRD, India) on 12<sup>th</sup> and 13<sup>th</sup> March 2020.

## WEBINARS CONDUCTED:

- 1. Served as a resource person in the Webinar and delivered lecture on the topic "Futuristic Goals" on 21<sup>st</sup> Apr 2021 organized by the Department of Computer Science, Merit Arts and Science College, Idaikal, Ambasumudram, Tirunelveli.
- 2. Served as the resource person for the Webinar on "Cyber Security" on 25<sup>th</sup> October 2020 jointly organized by the International Youth Society, Thoothukudi chapter and JatiyaYuva Computer Shaksharta Mission Skill Development, Govt. of India.

#### **WORKSHOPS ATTENDED:**

- 1. Attended 17<sup>th</sup> Regional Workshop on Science Writing/ Journalism for two days on "Science Writing/ Journalism for the youth" on 12<sup>th</sup> Feb 2019 and 13<sup>th</sup> Feb 2019 organized by Manonmaniam Sundaranar University, Tirunelveli.
- 2. Attended two days International Workshop on "Impact Factor publications, Citation Analysis, Plagiarism, getting Patent and Copyright INWICPPC-2018" on 7<sup>th</sup> and 8<sup>th</sup> December 2018 organized by Department of Library and Information Science & University Library, Manonmaniam Sundaranar University, Tirunelveli.
- 3. Attended one day Workshop on "MOOC through SWAYAM" on 19<sup>th</sup>November 2018 organized by Manonmaniam Sundaranar University, Tirunelveli.
- 4. Attended one day Workshop on "**Network Hardware**" on 09<sup>th</sup> Feb 2018 organized by the Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelyeli.
- 5. Attended two days' Workshop on "Website Development using WordPress" on 12<sup>th</sup> and 13<sup>th</sup> October 2017 organized by the Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli
- Attended two days' Workshop on "Tools and Techniques for Data Analytics" on 28<sup>th</sup> and 29<sup>th</sup>
  Aug 2017 organized by the Centre for Information Technology and Engineering, Manonmaniam
  Sundaranar University, Tirunelveli
- 7. Attended one day Workshop on "**Web Technologies & Web CMS: JOOMLA**" on 24 Aug 2017organized by the Department of Computer Science & Engineering in Manonmaniam Sundaranar University, Tirunelveli.

- 8. Attended Three Days National Workshop on "**Data Science Research**" from 01<sup>st</sup> Dec 2016 to 03<sup>rd</sup> Dec 2016 in Einstein college of Engineering, Tirunelveli.
- 9. Attended One Day Workshop on "**Recent Trends in Advanced Computing** "on 14<sup>th</sup> March 2016 in Manonmaniam Sundaranar University, Tirunelveli.
- 10. Attended Two Days State Level Workshop on "**Data Mining and Networking Tools** (**DAMNET-16**)" held at G. Venkataswamy Naidu College, Kovilpatti
- 11. Attended One Day UGC Sponsored Workshop on "Video Processing using MATLAB" on 03 Dec 2016 in Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelveli.

## **SEMINARS ATTENDED:**

- Attended One Day Student Mentor Training for Naan Mudhalvan Niral Thiruvizha
   <sup>1</sup>Hackathon 2022 2023 organized by Entrepreneurship Development and Innovation Institute
   (EDII-TN) and Tamilnadu Skill Development Corporation (TNSDC) at Thoothukudi Collectore
   on 13<sup>th</sup> Dec 2023.
- 2. Attended one day Seminar on "Machine Intelligence" sponsored by UGC SAP DRS II on 22<sup>nd</sup> Apr 2019 organized by the Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelveli.
- 3. Attended one day National Seminar on "Advanced Trends in Computer Science ATCS'19" on 22<sup>nd</sup>Mar 2019 organized by Post Graduate and Research Department of Computer Science, Sadakathullah Appa College, Tirunelveli.
- 4. Attended one day National Seminar on "**Recent Trends in Computing Technologies**" on 28<sup>th</sup>Sep 2018 organized by the Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelveli.
- 5. Attended one day National Seminar on "**Recent Trends in Computing Technologies**" on 18<sup>th</sup>Aug 2018 organized by the Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelveli.
- 6. Attended one day Seminar on "Basics of Machine Learning using R-Tool" on 23<sup>rd</sup> Feb 2018 organized by the Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelveli.
- 7. Attended Seminar on "**Remote Sensing and Space Science**" in Two Days Invited Lecture Programme conducted on 10<sup>th</sup> and 11<sup>th</sup> Jan 2017 at Department of Computer Science & Engineering in Manonmaniam Sundaranar University, Tirunelveli.
- 8. Attended One Day Seminar on "**Big Data Analytics** "on 22<sup>nd</sup> Jan 2016 in Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli.
- 9. Attended Seminar on "Biometrics" in One Day National Level Technical Symposium COMTRACK 2K13 conducted at Scott Christian College, Nagercoil.

## FACULTY DEVELOPMENT PROGRAMMES ATTENDED:

- Attended one day Mentor Training Programme for Naan Mudhalvan Niral Thiruvizha
   <sup>'</sup>Hackathon' 2022 to 2023 on 13<sup>th</sup> Dec 2023 organized by Entrepreneurship Development and
   Innovative Institute Tamil Nadu (EDII-TN) and Tamil Nadu Skill Development Corporation
   (TNSDC) at Thoothukudi Collectorate, Thoothukudi.
- Attended 2 Days Faculty Development Programme as Naan Mudhalvan SPOC Coordinator on "A Massive Upskilling Programme of Naan Mudhalvan Scheme, Government of Tamilnadu" on 10<sup>th</sup> Feb 2023 and 11<sup>th</sup> Feb 2023 organized by Manonmaniam Sundaranar University, Tirunelveli.
- 3. Attended 3 Days Faculty Development Programme as EDC Coordinator on "Entrepreneurship Development in Spoke Colleges" from 16<sup>th</sup> Mar 2022 to 18<sup>th</sup> Mar 2022 organized by Entrepreneurship Development and Innovation Institute Hub of Department of Management Studies, Manonmaniam Sundaranar University, Tirunelveli.
- 4. Attended Faculty Development Programme on "The Power of Positive Thinking & Optimistic Approach" on 1<sup>st</sup> Oct 2021 organized by Internal Quality Assurance Cell, Don Bosco College of Arts and Science, Kovilpatti.
- 5. Attended 10 days National Level Faculty Development Programme on "Pedagogy of Teaching and Tools on E-Content Development for Effective Teaching" from 5th July to 14th July 2021 organized by IQAC, Christopher Arts and Science College (Women), Soorangudi, Tirunelveli.
- 6. Attended two weeks Faculty Development Programme on "Entrepreneurship" from 2<sup>nd</sup> Dec 2019 and 14<sup>th</sup> Dec 2019 sponsored by NSTEDB DST through EDII, Ahmedabad organized by the Entrepreneurship Development Cell of the National Engineering College, Kovilpatti.
- 7. Attended two days state level Faculty Development Programme on "Introduction to Big Data Analytics-2018" on 17<sup>th</sup> Dec 2018 and 18<sup>th</sup> Dec 2018 organized by Department of CSE, PET Engineering College, Vallioor, Tirunelveli.
- 8. Attended AICTE sponsored two weeks Faculty Development Programme on "**Data Science Research and Big Data Analytics**" from 11<sup>th</sup> Dec 2017 to 23<sup>rd</sup> Dec 2017 organized by Department of Information Technology, National Engineering College, Kovilpatti.
- Attended five days Faculty Development Programme on "Hadoop (Hortonworks)" from 17<sup>th</sup>Jul 2017 to 21<sup>st</sup> Jul 2017 organized by Sri Vidya College of Engineering & Technology, Virudhunagar.

#### **ONLINE CERTIFICATIONS:**

- 1. Completed online course "Character Design and Story Polish" on 10<sup>th</sup> May 2020 from School of Computing Teesside University & Udemy.
- 2. Completed online course "Simulating Real World Problems with Python and Numpy" on 18<sup>th</sup> April 2020 from Alexander Hangmann& Udemy.

- 3. Completed online course "**Git started with Github**" on 17<sup>th</sup> April 2020 from Jayson Taylor & Udemy.
- Completed online course "Hadoop Starter Kit" on 17<sup>th</sup> April 2020 from Hadoop in Real World & Udemy.
- 5. Completed online course "MongoDB Essentials Understanding the Basics of MongoDB" on 17<sup>th</sup> April 2020 from Patrick Schroeder & Udemy.

#### **ONLINE WEBINARS ORGANIZED:**

- Organized International Webinar on "Einstein On Entrepreneurship" as the EDC Coordinator, Entrepreneurship Development Cell, K. R. College of Arts and Science, Kovilpatti. India on 29<sup>th</sup> Oct 2021.
- Organized International Webinar on "Social Responsibility & Big Data in Politics" from the Department of Computer Science, K. R. College of Arts and Science, Kovilpatti. India on 09<sup>th</sup> Oct 2021.
- Organized National Webinar on "Entrepreneurial Opportunities in Agriculture" as the EDC Coordinator, Entrepreneurship Development Cell, K. R. College of Arts and Science, Kovilpatti. India on 27<sup>th</sup> May 2021.
- Organized National Webinar on "Entrepreneurship Funding Opportunity and Innovation" as the EDC Coordinator, Entrepreneurship Development Cell, K. R. College of Arts and Science, Kovilpatti and associated with EDII-TN AURCT-IEDP & WRC on 13<sup>th</sup> May 2021.
- 5. Organized Student Awareness Webinar on "Entrepreneurship as a Career Opportunity" as the EDC Coordinator, Entrepreneurship Development Cell, K. R. College of Arts and Science, Kovilpatti. India on 12<sup>th</sup> Jan 2021.
- Organized National Level Webinar on "AWS Cloud Services for Modern Applications" from the Department of Computer Science, K. R. College of Arts and Science, Kovilpatti. India on 24th July 2020.
- Organized National Level Webinar on "Entrepreneurial as a Career Choice" as the EDC Coordinator, Entrepreneurship Development Cell, K. R. College of Arts and Science, Kovilpatti. India on 20th July 2020.

#### ONLINE FACULTY DEVELOPMENT PROGRAMMES ATTENDED:

 Attended AICTE Sponsored One Week Online Short-Term Training Programme (STTP) on "Machine and Deep Learning Techniques to Develop Artificial Intelligence Applications using Python" from 14<sup>th</sup> December 2020 to 19<sup>th</sup> December 2020 organized by Department of Information Technology, Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology, Hyderabad.

- 2. Attended three days National Level Online Faculty Development Programme on "Promoting Critical Thinking and Research Paper Writing for Teachers" from 03<sup>rd</sup> to 05<sup>th</sup> August 2020 organized by Department of English and Foreign Languages, Madanapalle Institute of Technology & Science, Chitoor, Andhra Pradesh.
- 3. Attended Faculty Development Programme on "**Bio-Resources**" on 30<sup>th</sup> July 2020 and 1<sup>st</sup> August 2020 organized by Department of Microbiology, K. R. College of Arts & Science, Kovilpatti.
- 4. Attended six days AICTE sponsored six days online Short Term Training Program (STTP) on "Tableau – Data Visualization Tool for Researchers" from 27<sup>th</sup> July to 01<sup>st</sup> August 2020 organized by Department of Computer Science and Engineering, IFET College of Engineering, Gangarampalayam, Villupuram.
- 5. Attended Online Faculty Development Programme on "Strategies, Methodologies and the Creative Spark for Everyone" by Department of English and Foreign Languagess, Madanapalle Institute of Technology & Science, Chitoor, Andhra Pradesh. From 21<sup>st</sup> to 23<sup>rd</sup> July 2020.
- 6. Attended three days National Level Online Faculty Development Programme on "Introduction to Machine Learning" from 05<sup>th</sup> Jul 2020 to 07<sup>th</sup> July 2020 organized by Department of Computer Applications, Madanapalle Institute of Technology & Science, Chitoor, Andhra Pradesh.
- 7. Attended five days Faculty Development Programme on "**Recent Trends in Digital Technologies**" from 07<sup>th</sup> Jul 2020 to 11<sup>th</sup> July 2020 organized by Department of Computer Science, The American College, Madurai.
- 8. Attended three days National Level Online Faculty Development Programme on "Introduction to Machine Learning" from 05<sup>th</sup> July 2020 to 07<sup>th</sup> July 2020 organized by Department of Computer Applications, Madanapalle Institute of Technology & Science, Chitoor, Andhra Pradesh.
- 9. Attended National Level Faculty Development Programme on "UGC NET/SET Paper II Computer Science"held from 18<sup>th</sup> June 2020 to 22<sup>nd</sup> June 2020 organized by the Department Of Computer Science Shift-I, Patrician College of Arts And Science, Chennai
- 10. Attended Online Faculty Development Programme on "**Tips and Tricks of Research Publication, Patent Filing and Research Grant**" organized by Department of Computer Science and Engineering, Kings Engineering College, Chennai from 10<sup>th</sup> June 2020 to 12<sup>th</sup> June 2020.
- 11. Attended Faculty Development Programme on "Introduction to Blockchain" on 06<sup>th</sup> June 2020 organized by Department of Computer Science and Engineering, Rajalakshmi Engineering College, Chennai.

## **ONLINE WEBINARS ATTENDED:**

- Attended International Webinar on "Cloud Computing An Overview by Technology Architect" organized by Department of Computer Science, K. R. College of Arts & Science, Kovilpatti on 26<sup>th</sup> Aug 2021.
- 2. Attended Webinar on "Investing in Stock Market An Introductory Insight" organized by Department of Commerce (Professional Accounting), K. R. College of Arts & Science, Kovilpatti on 11<sup>th</sup>June 2021.
- 3. Attended Webinar on "Introduction to Data Science" organized by Department of Computer Science, K. R. College of Arts & Science, Kovilpatti on 10<sup>th</sup> June2021.
- 4. Attended Webinar on "Deep Learning" organized by Department of Computer Science, K. R. College of Arts & Science, Kovilpatti on 26<sup>th</sup> May 2021.
- 5. Attended Webinar on "An Overview of GST in India" organized by Department of Commerce (Professional Accounting), K. R. College of Arts & Science, Kovilpatti on 21<sup>st</sup> May 2021.
- 6. Attended Webinar on "Role of Students in Combating the COVID-19 Pandemic" organized by Youth Red Cross Club, K. R. College of Arts & Science, Kovilpatti on 20<sup>th</sup> May 2021.
- 7. Attended Webinar on "COVID-19 Fundamentals to frontiers" organized by Biochemistry, K. R. College of Arts & Science, Kovilpatti on 11<sup>th</sup> May 2021.
- 8. Attended One Day "**Training Cum Orientation Programme**" conducted by Department of English and Foreign Languages, and Department of Linguistics, Bharathiar University, Coimbatore in association with TANSCHE on 30<sup>th</sup> September 2020.
- 9. Attended Webinar on "Artificial Intelligence-An Overview" organized by Department of Computer Science, K. R. College of Arts & Science, Kovilpatti on 17<sup>th</sup> August 2020.
- 10. Attended Webinar and panel discussion on "**Promoting Libraries through Movies**" organized by Odisha Library Academy (OLA),Bhubaneswar, Odisha on 1<sup>st</sup> August 2020.
- 11. Attended Webinar on "Assessing Human Rights Protection amid covid-19 and beyond" organized by Centre for Post Graduate Legal Studies, Maharashtra National Law University, Mumbai on 25th July 2020.
- 12. Attended Webinar on "Stay relevant and stay Employable Be a digital champ" organized by Department of Computer Science & Engineering, VIDYAVARDHAKA COLLEGE OF ENGINEERING, Mysuru, Karnataka on 25<sup>th</sup> July 2020.
- 13. Attended Webinar on "International Webinar on Mushrooms-Nature's Gift" organized by Department of Microbiology, K. R. College of Arts & Science, Kovilpatti on 24<sup>th</sup>July 2020.
- 14. Attended One Day International Webinar on "Cyber Security" organized by Department of Computer Science, Manonmaniam Sundaranar Constituent College of Arts and Science on 23<sup>rd</sup> July 2020.

- 15. Attended International Webinar on "New Ideas and Innovations in the Technology and Use of IoT in Telecommunications" delivered by "Mr. Abhishek Srivastava, MD & CEO, Telenoetica Ltd., Lagos, Nigeria" on 23<sup>rd</sup> July, 2020 organized by Raj Kumar Goel Institute of Technology, Ghaziabad, Uttar Pradesh, India.
- 16. Attended International Webinar on the topic "Design Thinking and Innovation in Engineering &Technology" delivered by "Mr. Indresh Singh Saluja, Chief Officer Property Operations, Acron Holdings, Kenya" on 16<sup>th</sup> July, 2020 organized by Raj Kumar Goel Institute of Technology, Ghaziabad, Uttar Pradesh, India
- 17. Attended one day National Level Webinar on "The impact of English on Employment" on 16<sup>th</sup> July 2020 organized by Department of English and Foriegn Languages, Madanapalle Institute of Technology & Science, Chitoor, Andhra Pradesh, India.
- 18. Attended two days National Level Webinar on "**Positivity and Well-being during the Pandemic**" on 13<sup>th</sup> and 14<sup>th</sup> July 2020 organized by Department of English and Foriegn Languages, Madanapalle Institute of Technology & Science, Chitoor, Andhra Pradesh, India.
- 19. Attended Online Webinar on "Industry Applications of Machine Learning and Data Science" on 3<sup>rd</sup>July 2020 organized by Capztone Innovation Solution.
- 20. Attended International Webinar on "Online Classes and Examination in COVID Pandemic Situation" on 24<sup>th</sup> June 2020 organized by Department of Information Technology, G.Venkataswamy Naidu College, Kovilpatti.
- 21. Attended National Webinar on "Underwater Acoustic wireless sensor networks" on 24<sup>th</sup>June 2020 organized by Department of Computer Science, G.Venkataswamy Naidu College, Kovilpatti.
- 22. Attended International Webinar on "Cyber Security for Energy Industry" on 22<sup>nd</sup> June 2020 organized by Department of Computer Science, G.Venkataswamy Naidu College, Kovilpatti.
- 23. Attended International SAGE TALK on "**Does she know that I know that she does not know P?**" on 22<sup>nd</sup>June 2020 organized by Department of Computer Science and Engineering, Sagar Institute of Research & Technology, Bhopal.
- 24. Attended International Webinar on "Latest Trends in Augmented Reality" on 20<sup>th</sup> June 2020 organized by Department Of Computer Applications, Francis Xavier Engineering College, Tirunelveli.
- 25. Attended International Webinar on "Article Writing and Journal Publications" on 17<sup>th</sup> June 2020 organized by Department of Electronics and Communication Engineering, KingsEngineering College, Chennai.
- 26. Attended International Webinar on "Mastering the Mind for Conquering the World" on 17<sup>th</sup>June 2020 organized by Nehru Institute of Management Studies (NIMS), Thirumalayampalayam, Coimbatore.

- 27. Attended Webinar on "**Recent Trends in Digital Image Processing**" on 16<sup>th</sup> June 2020 organized by Department of Computer Science & Applications, Sri Krishnasamy Arts & Science College, Mettamalai, Satur.
- 28. Attended Webinar on "Kick-Start your Journey into Data Science" on 15<sup>th</sup> June 2020 organized by Department of Computer Science and Engineering, Mahendra Institute of Technology, Mahendhirapuri, Namakkal.
- 29. Attended Webinar on "**How to Develop Web Application**" on 13<sup>th</sup> June 2020 organized by Department of Computer Science and Engineering, Kings Engineering College, Chennai.
- 30. Attended Webinar on "Industry 4.0" on 12<sup>th</sup> June 2020 organized by Department of Electronics and Communication Engineering, D.N.R College of Engineering and Technology, Balusumudi, Andhra Pradesh.
- 31. Attended Webinar on "Snakes and Ladders of Entrepreneurs in Post COVID-19" on 11<sup>th</sup> June 2020 organized by Innovation and Incubation Centre, Entrepreneurship Development Cell and Department of Management Studies, P. S. R. Engineering College, Sivakasi.
- 32. Attended International Webinar on "Android Mobile Application Development for Embedded and IoT Based Real-Time Projects Using MIT App Inventor" on 10<sup>th</sup> June 2020 organized by Department of Electrical and Electronics Engineering, Rajalakshmi Engineering College, Chennai.
- 33. Attended National Webinar on "**The Paradigm in ELT**" on 10<sup>th</sup> June 2020 organized by Department of English & ICT, G.Venkataswamy Naidu College, Kovilpatti.
- 34. Attended International Webinar on "**Technology Trends of 2020**" on 10<sup>th</sup> June 2020 organized by P.G. Dept. of Commerce with Computer Application, RajapalayamRajus' College, Rajapalayam.
- 35. Actively Participated in the Live Webinar on "Exploring Swayam, NPTEL and other online Learning Platforms" on 10<sup>th</sup> June 2020 organized by Department of Library, Muthayammal SRM Arts and Science College, Kattankulathur.
- 36. Attended International Webinar on "Virtual Power Seminar Oracle DB, Query and Trends" on 08<sup>th</sup> June 2020 organized by Department of Computer Science and Engineering, Kings Engineering College.
- 37. Attended Webinar on "**API**" on 08<sup>th</sup> June 2020 organized by Department of Computer Science, Bishop Caldwell College, Maravanmadam, Thoothukudi.
- 38. Attended Personality Development Programme on "Never Stop Improving Yourself: Invest in Yourself" on 07<sup>th</sup> June 2020 organized by Nehru Institute of Management Studies (NIMS), Coimbatore.

- 39. Actively Participated in the Live Webinar on "Emerging Trends in Data Analytics and Business Intelligence" on 06<sup>th</sup> June 2020 organized by Academy of Computer Science, Muthayammal College of Arts & Science, Rasipuram.
- 40. Attended Webinar on "**Studies Abroad : Lights of Vision**" on 06<sup>th</sup> June 2020 organized by Department of Information Technology, SadakathullahAppa College (Autonomous), Tirunelveli.
- 41. Attended Webinar on "Research Issues in Digital Image Processing" on 05<sup>th</sup> June 2020 organized by Department of Computer Science, Government Arts and Science College, Kovilpatti.
- 42. Attended Webinar on "Introduction to basics in R Programming" on 05<sup>th</sup> June 2020 organized by Department of Information Technology, Pope's College (Autonomous), Sawyerpuram.
- 43. Participated in the "**LaTeX**" training organized at V. O. Chidambaram College, in January 2020 semester, with course material provided by the Spoken Tutorial Project, IIT Bombay and completed on 01<sup>st</sup> March 2020.

#### **DISTINCTIVE ACHIEVEMENTS / AWARDS**

- Participated and demonstrated innovative E-Governance application at the District Level contest for the "Nomination of Chief Minister Award for Excellence in E-Governance for Students" in Tirunelveli.
- Received Certificate from Tamil Nadu Skill Development Corporation (TNSDC) for continued and relentless support in the successful implementation of the Naan Mudhalvan Programme as Single Point of Contact (SPOC) at K. R. College of Arts & Science, K. R. Nagar, Kovilpatti.
- 3. Stood FIRST Rank in College in B.Sc. Degree University Examinations in Kamaraj College, Tuticorin
- 4. Contributed and organized Network based Gaming event for UGC-XII Plan sponsored "LYCANS-16" National Level Technical Symposium held at Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelveli.

## **OTHER SKILL CERTIFICATIONS:**

- Won the First Prize in the event "Web Design" in the One Day National Level Technical Symposium ComTRACK 2K13 held at Scott Christian College, Nagercoil.
- Won the First Prize in the event "Web Designing" held by Department of Computer Science,
   V.O. Chidambaram College, Tuticorin
- 3. Won the **First Prize** in the event "**Paper Presentation**" held by Department of Computer Science, V.O. Chidambaram College, Tuticorin
- 4. Won the **Second Prize** in the event "**Pencil Sketching**" held by Department of Computer Science, V.O. Chidambaram College, Tuticorin

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- 5. Won the **Second Prize** in the event "**Software Development**" held by Department of Computer Science, V.O. Chidambaram College, Tuticorin
- 6. Won the Second Prize in the event "Debugging" in the State Level Inter-Collegiate Technical Meet (TALENT PARK)held by Department of Computer Science, V.O. Chidambaram College, Tuticorin
- 7. Won the **First Prize** in the event "**Games**" in the **State Level Inter-Collegiate Technical Meet** (**TALENT PARK**) held by Department of Computer Science, V.O. Chidambaram College, Tuticorin
- 8. Participated in the event "**Poster Designing**" held by Department of Computer Science, V.O. Chidambaram College, Tuticorin
- Participated in finals in the event "Software Development" in the State Level Inter-Collegiate
  Technical Meet (TALENT PARK) held by Department of Computer Science, V.O.
  Chidambaram College, Tuticorin
- Participated in the State Level Inter-Collegiate Mega Quiz Competition "OXFORD-2011" held at St. John's College, Palayamkottai, Tiruneveli.

## **SPORTS AND GAMES:**

- 1. Participated in the **Inter Collegiate "Chess" Tournament** held at The M.D.T Hindu College, Tirunelveli
- 2. Participated in the "Chess Meet 2008" in the "Under-17 category" conducted by Bishop Caldwell College, Tuticorin.

## PROFESSIONAL SKILLSET:

Programming Languages : Flutter, Dot Net Core, Android, PHP, Bootstrap,

HTML5, CSS3, JavaScript, VBScript, C, C++, Java, Servlet, Swing, VB 6.0, VB.NET, VC++.NET, C#.NET, WPF, JSP, ASP, ASP.NET,

XML, PHP, MySQL, JSON, ReactJS, MERN.

Data Analytics & Data Processing : Python, R, MATLAB, HADOOP, Hive, Pig,

Sqoop, Pandas, Numpy, Weka

Database : MySQL, SQLite, MS SQL Server, Oracle

Documentation & Office : Microsoft Office 2013, Tally Prime

Operating Systems : Windows XP, Vista, 7, 8.1, 10, Ubuntu, Mint

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Multimedia Packages : Photoshop CS5, Illustrator CS5, InDesign

CS5,Flash CS5,Dreamweaver CS5, Combustion,

After Effects CS5, Audition CS6, Premiere CS6,

3DS Max 2014, Maya 2014

Hardware : System assembling and troubleshooting

#### **PROJECT DETAILS:**

## 1. UG Project

Title: Cars Database Management System

• <u>Development Environment</u>:

o Front End: Visual Basic 6.0

o Back End: Microsoft Access

Platform : Windows XP

 Description: Worked on a project which is suited for a client who is willing to hold a retail shop for cars. The cars added to the project are high end race cars and mid-range cars. The project focuses on the Car Specifications along with their interiors.

## 2. PG Projects

- Mini Project Title: "Reflections" Online Social Network
- Development Environment :
  - Front End: Visual Studio 2008, ASP.NET 3.5, Web Forms using C#.NET, Designed using HTML5, CSS3, JavaScript
  - o Back End: SQL Server 2005
- Platform : PC/Mac/Linux with any web browser
- Description: Worked on the Social Network website which is More User Oriented than Facebook and which is actually created for students of the College. The Social Network consists of User accounts similar to Facebook where each user is provided with their own profile, Timeline, Education, Hobbies, Actors, Movies, Videos and Audios section. The website was later on hosted live with a domain for a few months.

## Major Project Title: "Internals" Internal Marks Assessment for Colleges

Development Environment :

o Front End: PHP 5.3, HTML5, CSS3, Javascript

o Back End: MySQL

- Platform : PC/Mac/Linux/Android/iOS/Blackberry having any web browser
- <u>Description</u>: Worked on a project which used for the internal marks assessment of students in the colleges. The students' internal marks are given for all the three internals and the system

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will calculate the internal marks for the students and produce the report which holds their performance. This will eliminate any calculations and hardships the teachers have to face for evaluating and assessment of the students' performance in each internals. The teachers just login to their profile and they have to upload the marks of their classes and instantly the report is generated by the system. All are stored digitally and their copies are saved in a single page report. The report can be sent to the Head of the Department at the end for hardcopy maintenance if needed.

#### 3. M.Phil. Research Work

 Title: CBIR using Multi-Resolution Transform for Brain Tumour Detection and Stages Identification

Development Environment :

o Front End: MATLAB

Platform : Windows

Description: Worked on a project which retrieves the relevant human brain tumour images that satisfy a user's criteria of similarity. The user can select a brain image and get the relevant brain images with the same tumour stages. It was created to perform a comparative analysis for the three Classifiers. The system was also further extended to produce the stage information for the unknown brain tumour image. Finally the system will be giving treatment suggestions for doctors or concerned professionals in the industry based on the stage of the brain tumour which was identified.

#### 4. Ph.D. Research work

 Title: Behaviour Analysis and Crime Propensity Prediction using Data Mining Techniques

Development Environment :

o Front End: Java, Python, R

Description: Worked on the research title and presented various proposed techniques towards crime propensity prediction of the released prisoners. The prisoners' records are integrated into a newly proposed dataset. The proposed dataset is evaluated with the various existing algorithms. Further, for attaining improved classification accuracy towards the prediction of the prisoners a novel feature selection algorithm, a classification algorithm and a framework-based ensemble classifier for classification and ensemble classification are proposed. By the combination of all the proposed approaches, the behaviour of the prisoners could be easily monitored and analysed to identify the prisoners with high crime propensity. This research work will prevent any future crimes that may be caused by those kinds of prisoners.

# **PERSONAL PROFILE:**

Name : **Dr. H. Benjamin Fredrick David** 

Father's Name : Mr. D. Henry Mohan David

Date of Birth : 22-10-1992

Gender : Male

Marital Status : Married

Religion : CSI Christian

Community : BC (Nadar)

Nationality : Indian

Languages Known : Tamil, English, Hindi

Hobbies : Teaching, Learning new skills, Programming,

Game Developing, Cooking, Pencil sketching.

### **DECLARATION:**

I hereby declare that the above information furnished here are true to the best of my knowledge. I assure you that I will discharge my duties to the best of my abilities and to the satisfaction of my administrators if I am appointed in your institution.

Place: Tuticorin

Date :

(Dr. H. BENJAMIN FREDRICK DAVID)