

**K. Britto Alex, MCA., M.Phil., SET, (Ph.D)**

Head & Assistant Professor,  
UG & PG Department of Computer Science (Satellite Campus),  
The American College, Madurai.

Date of Joining: 27.04.2011

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**Career Objective**

Dedicated, enthusiastic individual with outstanding academic, communication, Organizational, and people skills and a passion for teaching.

**Educational Qualification**

Degree	Subject	College / University	Year of Completion
B.Sc.,	Mathematics	The American College	2001
M.C.A	Master of Computer Applications	Sourashtra College	2004
M.Phil.,	Computer Science	Vinayaka Mission University	2009
SET	Computer Science	Mother Teresa Women's University	2017
Ph.D (Part Time)	Computer Science	J.J College of Arts & Science, Pudukottai	Pursuing Since September 9, 2021

**Teaching Experience****JUNE 2023 TO TILL DATE**

Head & Assistant Professor, PG Department of Computer Science (Satellite Campus), The American College, Madurai.

**JULY 2021 TO TILL DATE**

Head & Assistant Professor, UG Department of Computer Science (Satellite Campus), The American College, Madurai.

**JULY 2019 TO JUNE 2021**

Head & Assistant Professor, Department of BCA, The American college, Madurai.

**JUNE 2018 TO TILL DATE**

Assistant Professor, Department of Computer Science, The American College, Madurai.

**APRIL 2011 – MAY 2018**

Lecturer, Department of Computer Science, The American College, Madurai.

**Other Work Experience**

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**JUNE 2006 TO MAY 2008**

SEO Analyst, UPTRENDSHITS

**SEPTEMBER 2005 TO MAY, 2006**

System Administrator, TWWI

**Subjects Handled**

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C, C++, RDBMS, Web Programming, Digital Image Processing, Enterprise Resource Planning, Data Mining, Data Warehousing, Computer Network, Software Engineering, Office Automation, Environmental Studies, Python Programming, Big Data Analytics Using R. Artificial Intelligence, Machine Learning, Deep Learning, Block Chain Technology, Natural Language Processing.

**Specialization in Research**

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Deep Learning, Block Chain

## **Programs Organized/Coordinated/Participated**

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1. Participated in One Day National conference on “Ensuring the quality of Academics and Research in HEI’s” organized by the IQAC, The American College, Madurai on 28.01.2025.
2. Organized One Day State level workshop on “Data Crunch Analytics using Python” organized by the Department of Computer Science and Computer Science (AI) on 10.12.2024.
3. Participated in Five Days International Workshop Series on “Artificial Intelligence” from 23-26 November 2024 organized by The American College, Madurai & CSI Jeyaraj Annapackiam College of Nursing, Madurai in collaboration with the UNESCO Chair & Asia Pacific University, Malaysia.
4. Participated in Three days FDP on Research innovations, patenting & quality publications organized by the Department of MCA, Fatima College, Madurai from 26.02.2024 to 28.02.2024.
5. Participated in National Webinar on “Latest Trends in Technology” organized by Department of BCA, The American College, Madurai on 17.02.2024.
6. Participated in TANSHE Sponsored Workshop on “Case Study Data Science and AI Application” organized by Department of Computer Applications, Sri Meenakshi Govt. Arts College for Women (A), Madurai on August 30, 2023.
7. Attended Online Workshop on Python organized by GUVI and Google for Education on August 10, 2023.
8. Participated in Five Days FDP on Python Programming organized by ICTACT in association with E.M.G Yadava Women’s College, Madurai from July 31, 2023 to August 04, 2023.
9. Participated in Five Days FDP on Full Stack Development organized by Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, Virudhunagar from July 11, 2023 to July 15, 2023.
10. Coordinated Two Days National Workshop on “Mathematics and Statistics for Data Analytics” organized by Department of Mathematics & Computer Science (Satellite Campus), The American College, Madurai from June 21, 2023 to June 22, 2023.

11. Participated in “Role of Artificial Intelligence in Power Sector” organized by Department of Electrical and Electronics Engineering, PSN College of Engineering and Technology from May 26, 2023 to June 02, 2023.
12. Participated in State Level Workshop on “Machine Learning with Python” organized by Department of BCA (Satellite Campus), The American College, Madurai from March 15, 2020 to March 16, 2023.
13. Participated in Interactive Workshop on Art & Science of Methodical Scientific Writing and Publishing in a High-Impact Journal organized by IQAC, The American College, Madurai on March 06, 2023.
14. Participated in Five Days National Level Online FDP on “Artificial Intelligence/Machine Learning/Deep Learning” organized by the Department of Computer Science & Engineering, DRK College of Engineering and Technology in association with Invictus Engineer, Hyderabad from February 20, 2023 to February 24, 2023.
15. Participated in IP Awareness/Training Programme on “National Intellectual Property Awareness Mission” organized by the Intellectual Property office, India, on February 20, 2023.
16. Participated in Five Days Virtual National Level FDP on “Recent Advancements in Computing Technology” organized by the Department of Computer Science, Sri S.Ramasamy Naidu Memorial College, Sattur from February 13, 2023 to February 17, 2023.
17. Participated in State Level Seminar on “Intellectual Property Rights” organized by the Department of BCA, The American College, Madurai on February 03, 2023.
18. Participated in Two Days National Level Seminar on “Role of NAAC with NEP as a Quality Tool for Higher Education” organized by IQAC, Sri Ranganathar Institute of Engineering and Technology, Coimbatore from December 16, 2023 to December 17, 2022.
19. Participated in International Webinar on “Emerging Trends in Cyber Security (IWTCS’22)” organized by the PG Department of Computer Science, Jayaraj Annappackiam College for Women(Autonomous), Periyakulam on December 20, 2022.

20. Participated in Online National Level FDP on Recent Research Convergence in Artificial Intelligence and Internet of Things organized by Department of Computer Applications, Bon Secours College for Women, Thanjavur, from 21.11.2022 to 25.11.2022
21. Participated in Power Webinar on “Technological Innovation and Artificial Intelligence” organized by Departments of Computer Science, Information Technology and Computer Applications, Mannar Thriumalai Naickar College, Madurai in association with ICT Academy of TamilNadu, Chennai on 6th April 2022.
22. Participated in the Virtual One Day International Faculty Development Programme on “Auto ML” organized by the Department of Computer Science, Lady Doak College, Madurai on 4th March 2022.
23. Participated in the in the International Virtual Webinar on Fundamentals of IoT Organized by Department of Computer Science of Amman College of Arts & Science, Dindigul on 19th January 2022.
24. Completed course on Internet of Things Master Class Organized by Pantech e-learning Pvt. Ltd., Chennai from 19th September 2021 to 18th October 2021.

## **Paper Presentation**

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1. Presented the paper titled “Role of Cancer Bioinformatics in the Development of Network Based Biomarkers” in the International Conference on Biotechnological Trends for a Sustainable Future (ICBTSEF-2023) organized by The American College, Madurai on January 23, 2023.
2. Presented the paper titled “A Predictable Information Security with Context Aware Trust Model for an Air Passenger Guide System” in ICDT’23 organized by School of Computer Science on April 20-21, 2023
3. Presented and Published a paper titled “Survey on Blockchain-Based Enhancement Scheme for Healthcare Applications” in the Internal Conference ESHM-2023 with ISBN: 978-91535-43-8 organized by Govt. Engineering College, Bharatpur, Rajasthan & Institute of Social Reforms and Higher Education Charitable Trust, Uttar Pradesh(India), held on 18<sup>th</sup> March 2023.

4. Presented paper titled “Role of Cancer Bioinformatics in the Development of Network Based Biomarker” in the International Conference on Biotechnological Trends for a Sustainable Future (ICBTFSF-2023) Organized by Department of Biotechnology, The American College, Madurai on 30 & 31, January 2023.
5. Presented paper titled “Review on Cyber Security Behaviour among Higher Education in Madurai” in the International Conference on Digital Transformation 2020 Organized by Department of Computer Science, The American College, Madurai on 05<sup>th</sup> and 06<sup>th</sup>, March 2020.

### **Journal Publication**

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1. Published a paper titled “Developing a Security Enhancement for Healthcare Applications using Blockchain-based Firefly-optimized Elliptic Curve Digital Signature Algorithm” in Scopus Indexed International Journal of System Assurance Engineering and Management, August 2024, <https://doi.org/10.1007/s13198-024-02444-2>
2. Published a paper titled “Survey on Blockchain-Based Enhancement Scheme for Healthcare Applications” in International Journal of Advance Research in Science and Engineering, March 2023, Volume No:12, Issue No: 3, ISSN(O): 2319-8354, ISSN(P): 2319-8346

### **Academic & Administrative Position**

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#### **NOVEMBER 2021 TO TILL DATE**

Additional controller of examinations, The American College, Madurai.

#### **JULY, 2019 TO TILL DATE**

HOD, The American College, Madurai.

#### **External Examiner for Paper Valuation & Question Paper Setter:**

VVV College, Virudhunagar, Yadava college, Sri Meenakshi Govt. Arts College for Women, Madurai Kamaraj University, NGP arts and Science College, Coimbatore.

**External Examiner for Practical Examination:**

Yadava College, Madurai, Lady Doak College, Madurai, Fatima College, Madurai, Sri Meenakshi Govt. Arts College for Women(A), Madurai.

**Personal Details**

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Date of birth : 27 .07.1981  
Language Fluency : Tamil & English  
Contact Number : +91 9489379738, 6380315689  
Email : brittoalex@americancollege.edu.in  
Nationality : Indian

I hereby declare that all the statements made above and information given in this application is true and correct to the best of my knowledge and belief.

**Place:** Madurai

**(K. BRITTO ALEX)**