

DR. ASHISH SHARMA

ACADEMIC | TRAINING |
RESEARCH | TECHNOCRAT

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EXPERIENCES

2018 **Lebanese French University, KURDISTAN**

Assistant Professor

September 2018 to Present

- Teaching Advance Programming OOPs using C++, Visual Programming C#.NET, and Python to IT/Engineering Graduate students.
- Guiding Undergraduate Final Year Students with Technical Project Work.
- Conducting Programming Labs and instructing/guide to pupils.
- Writing Research Articles to benefit society's growth.

2017 **Niza Global Solution Private Limited, INDIA**

Managing Director | Technical Director

January 2017 to August 2018

Key Achievement: Client Meetings | Train and Guide Team for Product Implementation | Web ERP Development | Interface between Client and Technical Team | Marketing

2010 **SRM University, INDIA**

Assistant Professor

July 2010 to December 2016

Key Achievement: Teaching IT Subjects | Exam Cell Coordinator | Guide Master's Students for Project Implementation | Conduct Lab Practical

2008 **Institute of Management & Research, INDIA**

Lecturer

August 2008 to July 2010

Key Achievement: Teaching IT Subjects | Guide Master's Students for Project Implementation | Lab Practical

2007 **National Informatics Centre (NIC), INDIA**

Software Trainee | Engineer

January to June 2007

Key Achievement: Web ERP Development | Technical Team Member | .NET Framework with Visual C#

EDUCATION

Motherhood University, India

2019 - 2024 | **PhD (Computer Sci.)**

TITLE: PREDICTION MODEL: TO DETECT SEIZURE TIME-FREQUENCY FOR A PATIENT

Jamia Hamdard University, India

2009 - 2012 | **Master Of Technology**

(Computer Science)

UP Technical University, India

2004 - 2007 | **Master of Computer**

Application

Chaudhary Charan Singh University, India

2004 - 2007 | **Bachelor of Science**

SKILLS

- Knowledge and hand-on experience Programming Languages Python, Visual C++, Visual C#, C, HTML, Core-Java
- Strong skills for Object Oriented Program (OOP) Design Philosophy
- Deep understanding of Machine Learning and Deep Learning Concepts
- Design architectures by using Blockchain, the Internet of Things, and Artificial Intelligence
- Database design using RDBMS, and Web Development using WordPress
- Awareness of cloud computing technologies- GitHub, Google Colaboratory

Published Article

- **"A Critical Analysis of Internal and External Sorting Algorithms Through M.A.T.L.A.B.,"** Journal of Advanced Research in Dynamical and Control Systems (J.A.R.D.C.S.). ISSN: 1943-023X, Volume-10, Special Issue-09, October 2018.
- **"A Smarter Way to Improvise Learning Outcome based on Computer Application,"** International Journal of Innovative Research in Computer Science & Technology (I.J.I.R.C.S.T.). ISSN: 2347-5552, Volume-7, Issue-01, January 2019.
- **"Hyperledger: Contemporary Technique to Resolve the Issue of Cross Border Payment,"** International Journal of Advanced Trends in Computer Science and Engineering (I.J.A.T.C.S.E.) ISSN: 2278-3091, Volume-8, Issue-1.2, May 2019.
- **"Design of a Hybrid Logic Based ADABOOST Decision Tree Model for Identifying Web Attacks,"** International Journal of Advanced Trends in Computer Science and Engineering (I.J.A.T.C.S.E.) ISSN: 2278-3091, Volume-8, Issue-1.2, May 2019.
- **"Image Watermarking Using A.P.D.C.B.T. in Selected Pixel Blocks,"** 2019 8th International Conference System Modelling and Advancement in Research Trends (SMART), Moradabad, India, 2019.
- **"Contrasting of Various Algorithmic Techniques to Solve Knapsack 0-1 Problem,"** J.O.I.V.: International Journal on Informatics Visualization, Volume-4, Issue-01, February 2020.
- **"The Role of Blockchain, A.I. and IoT for Smart Road Traffic Management System,"** INDISCON-2020 Conference, Sponsored by IEEEExplore, February 2021.
- **"The 3D Facemask Recognition: Minimization for Spreading COVID-19 and Enhance Security."** Sixth International Conference on ICT for Sustainable Development on ICT4SD 2021, Publication by Springer, Singapore.
- **"Weather Classification Model Performance: Using CNN, Keras-Tensor Flow."** 1st International Conference on Applied Computing & Smart Cities (ICACS21), Published by EDP Sciences, 2022.
- **"Civic Centered Heuristic Early Warning System Fashioned using Artificial Intelligence and Internet of Things."** Second International Conference on Computer Science, Engineering and Applications (ICCSEA), 2022, pp. 1-6, DOI: 10.1109/ICCSEA54677.2022.9936300.
- **"EEG Signal Analysis for Epilepsy Patterns Using EDFBrowser."** International Journal of Intelligent Systems and Applications in Engineering, 2024, Volume 12, Issue 17s, Pages 715-723.
- **"Prediction and Classification of Skin Diseases Using Convolution Neural Network Techniques."** Proceedings of Fifth International Conference on Computer and Communication Technologies, IC3T 2023, 2024, Lecture Notes in Networks and Systems, vol 898. Springer, Singapore. https://doi.org/10.1007/978-981-99-9707-7_38
- **"Exploring Supervised Machine Learning Classifiers for Epileptic Seizure Detection over Two Distinct Preprocessed Datasets,"** 2024 IEEE 9th International Conference for Convergence in Technology (I2CT), Pune, India, 2024, pp. 1-7, DOI: 10.1109/I2CT61223.2024.10543393.
- **"Machine Learning-Based Feature Extraction Techniques for Epileptic Seizure Detection Using EEG Bio-signals."** NATURALISTA CAMPANO 28.1 (2024): 1336-1346.

Patent

- **Efficient Resource Utilization and Less Complex Technique for mapping Machine Learning Algorithms into Embedded Systems**

([http://pericles.ipaustralia.gov.au/ols/auspat/quickSearch.do?](http://pericles.ipaustralia.gov.au/ols/auspat/quickSearch.do?queryString=Efficient+Resource+Utilization+and+Less+Complex+Technique+for+mapping+Machine+Learning+Algorithms+in+to+Embedded+Systems&resultsPerPage=)

[queryString=Efficient+Resource+Utilization+and+Less+Complex+Technique+for+mapping+Machine+Learning+Algorithms+in+to+Embedded+Systems&resultsPerPage=\)](http://pericles.ipaustralia.gov.au/ols/auspat/quickSearch.do?queryString=Efficient+Resource+Utilization+and+Less+Complex+Technique+for+mapping+Machine+Learning+Algorithms+in+to+Embedded+Systems&resultsPerPage=)

- **WEARABLE EEG MONITORING DEVICE**

Project Work

- **Implemented a Multiclass Classification and Prediction Model for an Early Warning System to facilitate an alert to spots for upcoming natural disasters**

Artificial Intelligence (AI) | Deep Learning | Python Programming | Jupyter Notebook | Feature Extraction from Image Dataset | Weather Dataset from Kaggle.com

- **Implemented a Binary Classification and Prediction Model for Facemask Detection System for COVID-19 and enhanced the security system for Public Places**

Artificial Intelligence (AI) | Deep Learning | Python Programming | Google Colaboratory | Jupyter Notebook | Feature Extraction from Image Dataset | Facemask Dataset from Kaggle.com

- **Analyzing EEG signals for epileptic disease to detect seizures contributes to the healthcare sector**

Artificial Intelligence (AI) | Machine Learning | Python Programming | Classification Algorithms | Jupyter Notebook | Feature Extraction from files (.edf and .csv) | CHB-MIT Dataset

- **Worked with team to implement Education ERP | Healthcare ERP | Pathology ERP | HRM ERP**

WordPress | PHP Framework | HTML | CSS | JavaScript | MYSQL

Visual C# | .NET Framework | HTML | CSS | JavaScript | MS-SQL Server

References

- Dr. Sunil Kumar

Post Doctoral Research Fellow, University of Surrey, UK.

Email ID: sk4sunilkumar@gmail.com, sk0064@surrey.ac.uk

- Dr. Monika Sharma

Lecturer, College of Engineering & Computer Science,

Lebanese French University, Erbil, Kurdistan, Iraq.

Email ID: monikavi2209@gmail.com, monika.sharma@lfu.edu.krd

- Dr. Bnar Fareed Ibrahim

Vice-President, Scientific Affairs, Lebanese French University, Erbil, Kurdistan.

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