



J. GRACE HANNAH

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Personal Website:

<https://www.yourportfolioh.com/>

CORE COMPETENCIES

Teaching & Tutoring
Educational Assessments
Students Management
Elusive writer
Active researcher
Student Counselling

11 years of Research and Teaching experience with keen interest in Deep Learning, Medical Data Mining, Image Processing, Bio-Medical Computational Processing.

- Ph.D. in Computer Science from the University of Madras, with h-index of 3, and overall citations of 16.
- Overall Band 7.0 in the IELTS general training, and 7.5 in writing and speaking.
- Proficient in engaging with Gen AI tools to facilitate interactive learning and hands-on training to aid students comprehend concepts and apply in real-world problems.
- Comprehensive experience in deploying pragmatic teaching methods to analyse as well as initiate modifications to different courses and enable students to have diverse global path for sustained learning.
- An effective communicator with good written & verbal communication skills, strong analytical, problem-solving & organizational capabilities.
- Passionate about research simulative articulation with over 13 years of paper publishing experience.
- Possess a flexible & detail-oriented attitude with respect to content writing.
- Former International Tennis player with the career highest international ranking of 831

ORGANIZATIONAL EXPERIENCE

Assistant Professor – Department of Information Technology
Majan University College, Sultanate of Oman, Muscat

March'25- Present

Key Result Areas:

- Subjects Taught - Object-Oriented Programming, Fundamentals of programming, Process requirement Engineering, and Project Management Tools and Techniques.
- Active participation in research paper articulation.

Assistant Professor – Department of Data Science
Women's Christian College, Chennai

June'24- Feb'25

Assistant Professor – Department of Information Technology (M.Sc, BCA & IT)
Vels Institute of Science, Technology & Advanced Studies (VISTAS), Chennai

Aug'23 – May'24

Key Result Areas:

- Teaching subjects such as Deep learning, Social Media Analytics for Post-Graduate Students, and Python for the Undergraduate students, Java & Data Structures and Mobile Application to undergraduate and Postgraduate students.
- Placement Coordinator - To engage in aiding Post Graduate and Under Graduate students accelerate their career path to industries.
- Active participation in developing research projects for submission in Ministry of Micro, Small & Medium Enterprises (MSME) and Entrepreneurship Development Institute of India.
- Active participation in workshops and faculty development programmes.
- Effectively engaging in transferring the acquired skills to students, and in motivating them to convert their mini projects to elaborate and socially useful research articles.

Online Tutor & Technical Content Writer - Freelancer

Feb '20 – July'23

- Online Tutoring for students in various universities like Hofstra University, Hempstead, NY
- Subjects taught – SQL, Datamining with RapidMiner, Design & Modelling using Spreadsheets.
- Technical writer for domains relevant to datamining, IoT, Image Processing, Artificial Neural Networks, Machine Learning.
- Consultant and Content writer at Technibit Solutions, Chennai.
- Provide training to aid compeers and fresh graduates on learning and development.

- Corroborate and entail indagation on industry-relevant domains and subjects.
- Preparing well-structured drafts using Content Management Systems.
- Proofread and edit content before publication.
- Assign work relevant modules to compeers to evaluate the performance and train them for further projects.
- Provide fact-based and technical-base paper writing for researchers.

Assistant Professor - Department of Computer Science
Dr. MGR Janaki College of Arts & Science, Chennai

Jun'15 – Dec' 21

Assistant Professor - Department of Computer Science
Loyola College, Chennai

Jul'14 – Oct'14

Key Result Areas:

- Teaching subjects such as Operating System, Microprocessor, DBMS and Data Mining to undergraduate students.
- Inculcating computer literacy and eloquence in English for first Generation learners.
- Cultivating leadership amongst students and creating a climate hospitable to educational development.
- Interfacing with parents, guardians, teachers, counsellors, and administrators in order to resolve students' behavioural and academic problems.
- Collaborating with faculty in the process of curriculum development, ordinance design, updating and revising on continued basis to meet the requirement of the students.
- Editing & compiling of research articles for publishing in national & International journals.
- Assisting students in their job placements by honing their skills in group discussions and mock interviews.

PAPERS & BOOKS PUBLISHED – REFER yourportfolioh.com (Detailed List)

- Published over 25 papers inclusive of research chapters in various National, International Journals and in conference Proceedings with high impact factors and indexing.
- Published 4 Books under various realms of data analytics, machine learning and deep learning with ISBN

PATENTS

- Utility Patent – IoT based 3D Printer - Submitted
- Design Patent - Methodology for Accurate Estimation of Body Fat Percentage in Humans to aid Invasive medical treatments and optimize Sports Recruitments. - Submitted

MEMBERSHIP IN SOCIETIES

- Computer Society of India (CSI)
- International Association of Engineers (IAENG) – IAENG Society of Computer Science, IAENG Society of Data Mining
- Association for Computing Machinery (ACM) – Special Interest Group of Computers and Society

AREA OF INTEREST & RESEARCH TOOLS USED

- Deep Learning, SQL, Operating System, Database Management, Microprocessor 8085, C programming, Data Mining
- MATLAB, Python, R-Tool, Rapid Miner and Orange

SEMINAR / WORKSHOPS

- National level workshop on MATLAB, Faculty Development Program on Cloud Infrastructure (AWS)
- International Workshop on Data science and Python.
- Participated in a Webinar on Digital and AI Tools in Education, June 2024
- Completion of ChatGPT-101, Growth School, June 2024
- Participated in Online Faculty Development Program on “Artificial Intelligence Tools in Higher Education: Opportunities and Challenges”, Women’s Christian College, July, 2024
- **Resource Person: Conducted a Faculty Development Program for Teachers in St. John’s Senior Secondary School & Junior College, Chennai, India on “Empowering Educators: Leveraging Technology in Teaching Pedagogy”, June 2024.**
- Participated in International Professional Development program on Demystifying Generative Artificial Intelligence Use Cases and Application, August 2024.

ACADEMIC DETAILS

2022	Ph.D. from University of Madras, Chennai, India
2014	M.Phil. in Computer Science from Presidency College, Chennai (Affiliated to University of Madras)
2011	M.Sc. in Computer Technology - St. Joseph’s College of Engineering (Affiliated to Anna University)

PERSONAL DETAILS

Date of Birth:	16 th April 1989
Languages Known:	English, Tamil & Hindi
Nationality:	Indian

References Available on Request