SHALOM DAVID

ASSISTANT PROFESSOR

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Career Profile

- ❖ Software Professional with 8 years of experience in Development and Training.
- ❖ Expert in Machine Learning, Deep Learning Technologies.
- ❖ Software Trainer for Programming Languages and Technologies like Python, PHP, .Net, HTML, CSS, JAVASCRIPT, JQUERY, MYSQL, C, C++, JAVA
- ❖ Expert in Front end Development using Frameworks like Bootstrap, Foundation.
- ❖ Experience in handling sessions for Professional Diploma in Logistics and Supply Chain Management. (KELTRON KNOWLEDGE SERVICES GROUP).
- ❖ Handled AI Chatbot Training sessions for Software Group of Keltron Vellayambalam.
- ❖ Guest Speaker, Technical Expert and Resource Person for Different College Programmes Conducted by Keltron Knowledge Services Group at Different colleges across Kerala.
- ❖ Technical Trainer for software development sessions arranged for the staffs of Nirmidi Kendra Trivandrum by Keltron Knowledge Services Group.
- ❖ Experience in Handling classes for Post Graduate Diploma in Computer Applications, Diploma in Computer Applications. (KELTRON Knowledge Centre- Vazhuthacaud).
- ❖ Coordinated Govt. Training Programmes conducted by ULTS Technologies and Keltron Knowledge Services Group for the employees of Devasom Board.
- ❖ Coordinated Academic Internship Programmes conducted by Keltron Knowledge Services Group .
- ❖ Coordinated Academic and Marketing Activities of Keltron Knowledge Centre ~Vazhuthacaud.
- ❖ Coordinated Placement Activities of Keltron Knowledge Services Group across Kerala.
- ❖ Designed Curriculum and Syllabus for Various courses offered by Keltron Knowledge Services Group.
- ❖ IQAC Criteria 3 Convenor at Christ Nagar College, Maranalloor, Trivandrum
- ❖ Working As Indhira Gandhi National Open University Academic Counsellor.
- ❖ Working As Keltron, NSDC Co-Ordinator for Conducting Add-On Courses at Christ Nagar College

Professional Experience

❖ Assistant Professor,
Department of Computer Science, Christ Nagar College, Maranalloor , Trivandrum
(DECEMBER 2019 – Present)

❖ Engineer, Placement Officer,
Keltron Knowledge Services Group
(SEPTEMBER 2015 – December 2019)

Education

❖ **DOCTOR OF PHILOSOPHY (Ph. D) - PURSUING (Part Time)**
COMPUTER SCIENCE & ENGINEERING – KARUNYA UNIVERSITY
COIMBATORE INDIA (2021-PRESENT)

❖ **MASTER OF TECHNOLOGY (Grade - First Class)**
SOFTWARE ENGINEERING – KARUNYA UNIVERSITY
COIMBATORE INDIA (2013-2015)

❖ **BACHELOR OF TECHNOLOGY (Grade - First Class)**
INFORMATION TECHNOLOGY – KARUNYA UNIVERSITY
COIMBATORE INDIA (2009-2013)

❖ **HIGHER SECONDARY EXAMINATION (80%)**
ST THOMAS HIGHER SECONDARY SCHOOL
TRIVANDRUM INDIA (MARCH 2009)

❖ **SECONDARY SCHOOL LEAVING CERTIFICATE (84%)**
ST THOMAS HIGHER SECONDARY SCHOOL
TRIVANDRUM INDIA (MARCH 2007)

Skills

❖ Programming: C++, C#, ASP, VB, Java, HTML, PHP, JavaScript, jQuery, Python, Scala
❖ Frameworks: .NET, BOOTSTRAP, FOUNDATION, W3.CSS
❖ Operating Systems: Microsoft Windows, Ubuntu, MacOS X
❖ Services: MySQL
❖ Applications: NetBeans, Adobe CS, MSOffice, Visual studio, Anaconda
❖ Research Interest: Machine Learning, Deep Learning, Data Analytics, Digital Forensics.

Projects

BRAIN TUMOR DETECTION USING DEEP LEARNING
LAL BAHADUR SHASTRI INSTITUTE OF TECHNOLOGY FOR WOMEN
ACADEMIC PROJECT SUPPORT (KELTRON KNOWLEDGE SERVICES GROUP)

This Project is developed using Python Deep Learning technologies, which helps in segmenting and detecting presence of tumors in brain

Python, Deep Learning

AUTOMATIC ANALYSIS OF EXAM QUESTIONS

SCT COLLEGE OF ENGINEERING – KTU PROJECT (KELTRON KNOWLEDGE SERVICES GROUP)

The application is developed for classifying examination questions to various Blooms Taxonomy cognitive levels.

Python, PyQt, Machine learning

SENTIMENTAL ANALYSIS – PRODUCT, MOVIE & SOCIAL MEDIA REVIEW

MARIAN COLLEGE, MUSLIM ASSOCIATION COLLEGE – ACADEMIC PROJECT SUPPORT

The web application categorizes and identifies emotions defined in text for particular topic. Whether positive, negative or neutral.

PHP, Machine Learning

SERVICE SOFTWARE FOR IT @ SCHOOL SERVICES – KELTRON

KELTRON GOVT OF KERALA UNDERTAKING, TRIVANDRUM, INDIA

The application is exclusively for registering complaints for products purchased by IT @ School through ICT

scheme. Products related to Govt Fund scheme,

ASP.Net, MySQL

(MAY 2014 TO DEC 2014)

LEARNING PHENOTYPE STRUCTURE USING MAXIMAL PHENOTYPE ALTERATION

Karunya University, Coimbatore, India

The phenotype structure could be studied with many efficient algorithms. Although there exit many methods, these methods lack in scalability, robustness, time and computational complexity. Maximal phenotype alteration, an efficient method with suboptimal policies are introduced to overcome these problems. The G* sequence model with the combination of the phenotype alteration technique and policies makes the method more efficient and effective. The method will be able to work faster by several orders of magnitude compared to other algorithms.

JAVA, NETBEANS

(DEC 2012 TO APR 2013)

AN ACADEMIC WEB BASED PERSONAL ORGANIZER

Karunya University, Coimbatore, India

The Academic Personal Organizer helps students and staff to organize academic activities, APO provides functionalities for attendance, leave alerts, and provisions for creating resume, a diary for maintaining daily records, online leave manager for submission of leave forms, care taker for maintaining medical records, bookshelf for saving eBooks.

PHP, CSS, MySQL

(JUNE 2012)

CITY SEARCH

Network Systems & Technologies (P) Ltd, Trivandrum, India

The City Search helps the users to add details about various organizations, the details will be approved by admin, and the details will be helpful for people who travel to particular locations, the city search acts like a guide to travelers

ASP.Net, MySQL

Certifications

- ❖ Successfully completed "Advanced Google Analytics" certification.
- ❖ Successfully completed "Google Analytics for Beginners" certification.
- ❖ Successfully completed "Programming essentials in Python" by Cisco online certification.
- ❖ Successfully completed the Cybersecurity Essentials course by Cisco Networking Academy.
- ❖ Successfully completed the Entrepreneurship course by Cisco Networking Academy.
- ❖ Successfully completed to Introduction to IoT course by Cisco Networking Academy.
- ❖ Successfully completed Introduction to Cybersecurity course by Cisco Networking Academy.
- ❖ Successfully completed The Fundamentals of Digital Marketing Course by Google Digital Unblocked.

Workshops

- ❖ Participated in the National level 7-Day Online Workshop on Revised NAAC Norms and Procedures under the Aegis of the UGC Scheme – PARAMARSH from 07 January 2021 to 15 January 2021
- ❖ Implant Training in Security Systems Group (SSG), Special Products Group (SPG), Power Electronics Group (PEG) from KELTRON Trivandrum (Kerala Government).
- ❖ Attended Workshop on Data Warehousing & Business Intelligence- An Industrial Perspective. [KARUNYA UNIVERSITY].
- ❖ Attended National Workshop on Scaled Agile Framework, Agile testing and Practices. [KARUNYA UNIVERSITY].
- ❖ Attended National Workshop on Cloud Driven Application Development. [KARUNYA UNIVERSITY]
- ❖ Attended Workshop on Data Analytics & Information Security organized by Rajiv Gandhi Institute of Technology Kottayam.
- ❖ Coordinated the event KTIDZO for Mind Kraft 2013, a National Level Techno Management Fest conducted at Karunya University, Coimbatore.
- ❖ Coordinated Game Development workshop jointly organized by Department of Computer Science Christ Nagar College and Toonz Animation, Technopark.
- ❖ Coordinated National Level White Paper Competition "Thought Evacuate" organized by Department of Computer Science, Christ Nagar College, Maranalloor, Trivandrum.
- ❖ Attended "Online Teaching Methods" one day Teacher Training Programme arranged by "IQAC" Christ Nagar College Maranalloor, Trivandrum.

Seminars & Webinars

❖ Participated in the International Webinar on Academic Publishing in Top Rated Journals on 30th April 2020 organized by the Post Graduate Department of Commerce, Government College Tripunithura.

❖ Participated in the Webinar on "Insights into Blockchain" jointly organized by the Department of Computer Applications, Christ Nagar College, Maranalloor, Trivandrum and Computer Society of India Trivandrum Chapter from 20 to 22 May, 2020.

❖ Attended National Seminar on Teaching, Learning & Evaluation conducted by IQAC, Christ Nagar College as part of the UGC Paramarsh Scheme of St Teresa's College, Ernakulam, on 29 February 2020.

Papers Published

1. Shalom David, "PREDICTING AT-RISK STUDENTS USING MACHINE LEARNING", IJRAR -International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.8, Issue 1, Page No pp.176-179, March 2021, Available at : http://www.ijrar.org/IJRAR21A1357.pdf

2.Shalom David, "LEARNING PHENOTYPE STRUCTURE USING MAXIMAL PHENOTYPE ALTERATION ", IJSET - International Journal of Science, Engineering and Technology (IJSET), ISSN (Online): 2348-4098 ISSN (Print): 2395-4752, Volume.9, Issue 1, 2021, Available at https://www.ijset.in/volume-9/

Resource Person

1. Resource Person for 3-day internship program in Machine Learning by Vidya Academy of Science and technology Thrissur ECE Dept during 5 – 7.01.2018.

2. Resource Person for TECHKRANTI 4.0 conducted by SREE NARAYANA GURU COLLEGE OF ENGINEERING AND TECHNOLOGY Payyanur, Kannur held on 15th and 16th June 2021.

3. Resource Person for Two Week IT Training Conducted by Indian Airforce for employees of southern Airforce IT Unit at Southern Air Command Trivandrum.