

Dr. GOPALAKRISHNAN S, DECE, B.E (ECE), M.E (EMBEDDED SYSTEM TECHNOLOGIES), Ph.D
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SUMMARY

Enthusiastic, self-motivated, adept at supporting diverse simultaneous office needs in fast-paced environments. Hard-working, multi-tasker with unparalleled time management communication and organizational abilities.

EDUCATIONAL BACKGROUND

- ❖ **Ph. D in Image processing** domain at VISTAS, Chennai in the year of 2019 – 2023 (July).
- ❖ Master of Engineering in **Embedded Systems Technologies** from Karpaga Vinayaka College of Engineering and Technology, Chennai, in the year of 2017- 2019.
- ❖ **Bachelor of Engineering in Electronics and Communication** from Velalar College of Engineering and Technology, Erode, in the year of 2011- 2014.
- ❖ **Diploma of Engineering in Electronics and Communication** from Thiru Ramakrishna Nallammai Polytechnic College, Dharapuram, in the year of 2008- 2011.

TECHNICAL SKILLS

- ❖ **Programming Skills** : Python, C, Embedded C, FORTRAN.
- ❖ **Programming IDE Tools** : ANACONDA NAVIGATOR, MATLAB, MPLAB, Keil u-Vision.
- ❖ **Protocols** : UART, SPI, I2C, CAN.
- ❖ **Microcontrollers** : ESP8266, ESP32, ATMEGA 328, ARM CORTEX, PIC16F877A.
- ❖ **Display Device interfaces** : OLED, LCD, 7-Segment Display.
- ❖ **Controller features** : Interrupt, ADC, Timers.

PROFESSIONAL EXPERIENCE

- **UNIQ TECHNOLOGIES, Chennai**
 - ❖ **Company Profile** : The Company is well equipped with all Infrastructures for Embedded Development, IOT, Python, and Circuit Design.
 - ❖ **Designation** : Embedded Developer
 - ❖ **Period** : 16/05/2014 – 01/05/2017

FELLOWSHIP INFO

- ❖ **Scheme Name** : Vels Research Fellowship Scheme (VRF).
- ❖ **Period** : 01/03/2021 – 30/07/2022

SCOPUS JOURNAL PUBLICATION

- ❖ **"AUTOMATIC BRAIN TISSUE SEGMENTATION USING MODIFIED K-MEANS ALGORITHM BASED ON IMAGE PROCESSING TECHNIQUES"** manuscript has been published at International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-8 Issue-12, October 2019, Page No.664-666.
- ❖ **"ANALYSIS AND DIAGNOSIS USING DEEP -LEARNING ALGORITHM ON ERYTHEMATO-SQUAMOUS DISEASE"** manuscript has been published at International Journal of Engineering Trends and Technology Volume 69 Issue 3, 52-57, March 2021, SSN: 2231 - 5381 /doi:10.14445/22315381/IJETT-V69I3P210
- ❖ **"MS-ROI BASED DETECTION AND SEGMENTATION OF ERYTHEMATO-SQUAMOUS DISEASE"** manuscript has been published at International Journal of Engineering Trends and Technology Volume 69 Issue 8, 260-267, August, 2021, ISSN: 2231 - 5381 /doi:10.14445/22315381/IJETT-V69I8P231
- ❖ **"AN ERYTHEMATO SQUAMOUS DISEASE (ESD) DETECTION USING DBN TECHNIQUE"** manuscript has been published at IEEE under International Conference on Communication, Computing and Internet of Things (IC3IoT), DOI: 10.1109/IC3IOT53935.2022.9768010.
- ❖ **"MACHINE LEARNING BASED INTRUSION DETECTION SYSTEMS USING HGWCSO AND ETSVM TECHNIQUES"** manuscript has been published at IEEE under International Conference on Communication, Computing and Internet of Things (IC3IoT), DOI: 10.1109/IC3IOT53935.2022.9767857.

SCI JOURNAL PUBLICATION

- ❖ **"Development of a deep learning-based approach for the diagnosis of Erythematous-Squamous Disease"** manuscript has been accepted at Distributed and Parallel Databases (An International Journal of Data Science, Engineering, and Management) – Springer.

BOOK PUBLICATION

- ❖ Published book in the name of " **Deep Learning in Dermatology**", at jupiter publications consortium (Doi: 10.47715, ISBN No: 978-93-91303-00-6).
- ❖ **"Machine Learning in Dermatology"** book has been published with ISBN and the number is 978-93-5566-075-6
- ❖ **"Image Processing with MATLAB"** book has been published with ISBN and the number is 978-93-93090-03-4.
- ❖ **"An Automated Skin Diseases Detection Using Hybrid Architecture"** book has been published with ISBN and the number is 978-93-5593-324-9.
- ❖ **"Deep Learning in Intrusion Detection"** book has been published with ISBN and the number is 978-93-5566-780-9.

PAPER PRESENTATION

- ❖ Presented a paper titled "**A method of skin disease detection using image processing and deep learning**" in the 7th International Conference MEEMIC 2021 held on 12th June, 2021 Conducted by Sengunthar College of Engineering.
- ❖ Presented paper in International conference on Technological Emerging Challenges in Computer Science and Engineering in the name of "**A multiclass classifier based ESD detection system using MATLAB**" organized by Tirumala Engineering College Jonnalagadda, Narasaraopeta, Andhra Pradesh at 20th – 21st October, 2021 (ISBN : 978-93-91535-11-7).
- ❖ Presented paper in Virtual International Conference on Futuristic Communication and Network Technologies (VICFCNT 2021) in the name of "**A deep learning-based smart system for identifying Erythemato Squamous Diseases (ESD)**" organized by VIT, Chennai at 10th -11th December, 2021.
- ❖ Presented paper in International Conference on Machine Intelligence and Green Computing (ICMIGC'21) in the name of "**An advanced system to detect the Erythemato Squamous Diseases (ESD) using machine learning and MATLAB**" organized by KIT, Coimbatore at 10th -11th December, 2021.
- ❖ Presented paper in International Conference on Management, Engineering, Science and Humanities (MESH -2022) in the name of "**A development of DN2AE -based approach to identify Erythemato-Squamous Diseases**" organized by Builders Engineering College, Tirupur at 19th January 2022.
- ❖ Presented paper in International Conference on Emerging Trends in Engineering, Science and Management in the name of "**Skin Disease Detection and Classification Using Artificial Neural Network**" organized by Universal College of Engineering and Technology (UCET) at 18th-19th February 2022 with ISBN 978-93-91535-09-4.
- ❖ Presented paper in International Conference on Communication Computing & Internet of Things (IC3IOT-2022) in the name of "**An Erythemato Squamous Disease (ESD) Detection Using DBN Technique**" organized by Sri Sai Ram Engineering College, Chennai at 11th March 2022.

WORKSHOP CONDUCTED

- ❖ Conducted two day's workshop about the "**Machine Learning in python**" at 12-02-2023 & 13-02-2023 at Sengunthar Engineering College (Autonomous), Tiruchengode.
- ❖ Conducted ten day's workshop about the "**AI with Embedded**" at 08-04-2023 & 17-04-2023 at MGR University, Chennai.
- ❖ Conducted five day's workshop about the "**IOT with Webserver**" at 22-05-2023 & 26-05-2023 at MGR University, Chennai.

CERTIFICATE COURSES

- ❖ Completed online course in "**Digital Image Processing**" at Great learning Academy

- ❖ Completed online course in "**Introduction of Deep Learning**" at Great learning Academy
- ❖ Completed online course in "**Python for Machine Learning**" at Great learning Academy
- ❖ Completed online course in "**Basics of Machine Learning**" at Great learning Academy

PERSONAL PROFILE

Parent's Name : Subramaniam.N & Kanakeshwari.S
Date of Birth : 6th May 1993
Address : 7/364, Manakkadavu (PO), Dharapuram (TK), Tiruppur – 638673

I hereby declare that the above information is correct and true to my knowledge. I assure that I will be an asset to the organization.

Place:

Yours Sincerely,

Date:

(Dr. GOPALAKRISHNAN S)