





Contact Information	<b>Email:</b> <a href="mailto:timgeorge27@hotmail.com">timgeorge27@hotmail.com</a> <b>Phone:</b> (+91) 8137934270	<b>GitHub:</b> <a href="#">TimG27</a> <b>LinkedIn:</b> <a href="#">timothytg27</a>
Summary	<ul style="list-style-type: none"> <li>• B.Tech Computer Science &amp; Engg., VIT Chennai (2024); Rank #2 in Class of 2024.</li> <li>• Experience at research labs at the University of Calgary and VIT Chennai.</li> <li>• Co-authored 2 peer-reviewed publications, 1 book chapter, and 2 conference papers.</li> </ul>	
Education	<b>Vellore Institute of Technology</b> , Chennai, India <i>B.Tech. Computer Science and Engineering</i>	Sept 2020 - May 2024 GPA: 9.73
Research Experience	<b>University of Calgary</b> , Calgary, Canada <i>Summer Research Intern</i> May 2023 - July 2023 Supervisor: Dr. Roberto Souza <ul style="list-style-type: none"> <li>• Contributed to a project aiming to reduce MRI wait times.</li> <li>• Focused on domain adaptive deep learning models for MRI image reconstruction.</li> </ul>	
	<b>Vellore Institute of Technology</b> , Chennai, India <i>Summer Research Intern</i> May 2022 - July 2022 Supervisor: Dr. Karthik R. <ul style="list-style-type: none"> <li>• Proposed a novel deep learning model for the classification of endoscopy images.</li> <li>• Implemented and trained our novel network using PyTorch framework in Python.</li> </ul>	
Fellowships	<b>Mitacs Globalink Research Fellowship (for Globalink Interns)</b> May 2023 The Mitacs Globalink Fellowship is provided to all selected candidates of the Mitacs Globalink Research Internship. This funding covers most of the candidate's expenses during the 12-week period of the internship.	
Peer-reviewed Publications	<b>A Dual Track Deep Fusion Network for Citrus Disease Classification</b>   R. Karthik, Sameeha Hussain, Timothy Thomas George, Rashmi Mishra <i>Ecological Informatics</i> , 78, 102302 Dec 2023	
	<b>A Novel Multi-Feature Fusion Method for Classification of Gastrointestinal Diseases Using Endoscopy Images</b>  R. Karthik, Timothy Thomas George, Yash Shah, Parasa Sasidhar <i>Diagnostics</i> , 12(10), 2316 Sept 2022	
Book Chapters	<b>Blockchain-Based Cybersecurity in Internet of Medical Things (IoMT)-Based Assistive Systems</b>  Amit Kumar Tyagi, Timothy Thomas George, Gulshan Soni <i>AI-Based Digital Health Communication for Securing Assistive Systems</i> , 22-53 Dec 2023	

## Short Papers and Presentations

### Next-Generation Waste Management: AI-based Segmentation for Robotic Garbage Collection

S Rohit Madhavan, Timothy Thomas George, Y Annie Jerusha and Syed Ibrahim S P  
1st International Conference on Intelligent Computing Technologies and Research  
*Puducherry, India* April 2023

### Reliable Edge Computing Architectures for Crowdsensing Applications

Timothy Thomas George, Amit Kumar Tyagi  
2022 International Conference on Computer Communication and Informatics (ICCCI)  
*Coimbatore, India* Mar 2022

## Projects

### Newborn MRI Reconstruction: Translating Adult-Trained Models

- Tested a deep-learning MRI Reconstruction model for domain adaptability.
- Evaluated models against a baseline and applied image processing techniques.

*University of Calgary, Calgary, Canada* Aug 2023

### Precision Data Mining for Protein Database Development

- Collaborated alongside a team including a PhD candidate and a Data Scientist.
- Designed and implemented Python scripts to extract crucial data from websites.

*Vellore Institute of Technology, Chennai, India* Oct 2023

### Collaborative Real-time Web Development using MDWE and Deep Learning

- Developed a deep-learning technique that allows generative web app development.
- Developed a prototype platform using ReactJS, Socket.IO, and Flask.

*Vellore Institute of Technology, Chennai, India* Nov 2022

## Seminars

### Research with Mendeley Tools

*Vellore Institute of Technology, Chennai, India*

School of Computer Science & Engg.

14 Sept 2022

## Teaching Experience

### Undergraduate Teaching Assistant

*Vellore Institute of Technology, Chennai, India*

*BCSE308L: Computer Networks (1st year)*

- Conducted tutorials, prepared quizzes and assignments

Fall 2023

## Awards

### VIT Meritorious Award (Academic Excellence)

*Vellore Institute of Technology, Chennai, India*

Jan 2023

### VIT Meritorious Award (Academic Excellence)

*Vellore Institute of Technology, Chennai, India*

Jan 2022

## Professional Memberships

### Association for Computing Machinery (ACM)

Part of the ACM Student Chapter, VIT Chennai, India

2022 - present

### Open Web Application Security Project (OWASP)

Part of the OWASP VIT Student Chapter, VIT Chennai, India

2021 - present