Samitha Peruma Vidhanaarachchi

An enthusiastic individual committed to learning, developing skills and team contribution; self-directed and energetic with better performance in both autonomous or collaborative environments. I am currently looking for an opportunity to explore and enhance my knowledge in the domain of computer science for the betterment of social well-being.

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🔘 https://www.sliit.lk/faculty-of-computing/staff/samitha.v/

in linkedin.com/in/samitha-vidhana-arachchi/

🌐 https://samitha-vidhanaarachchi.netlify.app/

Ⓖ scholar.google.com/ Samitha Vidhanaarachchi

🔗 github.com/Samitha-Vidhanaarachchi

WORK EXPERIENCE

Assistant Lecturer

SLIIT Malabe Campus, New Kandy Rd, Malabe 10115

09/2022 - Present

- Tasks Involved: Lectures, Tutorials, Practicals, Evaluations, Paper markings, Research co-supervisions
- Modules Involved: Digital Image Processing, User Experience Engineering, Software Project Management, Object Oriented Programming, Application Frameworks

Academic Instructor

SLIIT Malabe Campus, New Kandy Rd, Malabe 10115

02/2022 - 09/2022

- Tasks Involved: Practicals, Tutorials, assignment evaluations
- Modules Involved: Image Understanding and Processing, Software Quality Assurance, IT Project Management, Distributed Systems, Software Engineering Process & Quality Management

Trainee Software Developer

IFS R&D |1, Orion Towers, 752, Dr. Dannister De Silva Mawatha, Colombo 9

11/2019 - 05/2020

- Areas Involved: Web Client Development
- Tasks Involved: Technical Investigations, Validation Testing, Bug Fixing, Agile Methodologies
- Technologies used: Java, C#, Oracle - PL/SQL
- Tools used: IFS developer studio, IFS solution developer, IFS report designer, PL/SQL developer, Harvest, Git

ACADEMIC QUALIFICATIONS

B.Sc.(Hons)in Information Technology specializing in Software Engineering (First Class)

Sri Lanka Institute of Information Technology (SLIIT)

2022

- Weighted GPA: 3.82 out of 4.00

G.C.E Advanced Level (2016)

St.Joseph Vaz College | Wennappuwa

01/2006 - 12/2016

- Stream: Biological Science stream
- Medium: English Medium
- Results: Biology - S, Chemistry - C, Physics - C, English - A

CERTIFICATES

Diploma in Information Technology with Distinction

Wayamba University of Sri Lanka

11/2016- 11/2017

Diploma in English with Credit

Aquinas College of Higher Studies Sri Lanka

10/2017- 10/2018

Certificate course in Java Programming

Sri Lanka Institute of Information Technology (SLIIT)

11/2018- 02/2019

TECHNICAL SKILLS

Java | React | React Native | HTML | CSS | JavaScript | PHP | Object Oriented Programming | SQL | NoSQL | PL/SQL | MERN Stack | Node.js | Express | Android | C | C++ | C# | Deep Learning | OAuth 2.0 | Agile | Postman | Microsoft Azure Boards | GitHub | GitLab | Harvest

PROJECTS

Smart Surveillance System for Coconut Disease and Pest Infestation Identification

- Collaborated with Coconut Research Institute of Sri Lanka.
- Technologies: ReactJs, NodeJs, Express, Python, MongoDB, Firebase, React Native, AwsEc2, Flask, Deep learning

Manage Google Drive files

- A web-based application to manage files in google drive
- Technologies: ReactJs, NodeJs, ExpressJs, OAuth 2.0

Time Table Management System

- Desktop application to manage timetables
- Technologies: Java, JavaFx , JDBC, MySQL

Online Shopping Cart System for Fashion Store

- E-commerce platform for a fashion store
- Technologies: ReactJs, NodeJs, ExpressJs, Spring Boot, MongoDB, Java

Official Website for Malpiyali Publishers

- Website to sell and manage books at Malpiyali Publishers
- Technologies: Html, CSS, JavaScript, Java Servlet, MySQL

PUBLICATIONS

- **S. P. Vidhanaarachchi** et al., "Deep Learning-Based Surveillance System for Coconut Disease and Pest Infestation Identification," TENCON 2021 - 2021 IEEE Region 10 Conference (TENCON), 2021, pp. 405-410, doi: 10.1109/TENCON54134.2021.9707404.

- S. Vijayakumar, G. Murugaiah, J. Sivanesan, W. Tissera, **S. Vidhanaarachchi**, K. Archchana, "Recommendation system based on Tamil-English code-mixed text analysis," 2022 IEEE 13th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON)

- H. Jayasinghe, N. Pallepitiya, A. Chandrasiri, C. Heenkenda, **S. Vidhanaarachchi**, A. Kugathasan, J. Wijekoon , "Effectiveness of Using Radiology Images and Mask R-CNN for Stomatology," 4th International Conference on Advancements in Computing 2022 (ICAC)

ONGOING RESEARCH

- Smart Agriculture System for disease prediction, severity assessment, remedial actions, forecasting, and yield prediction

- Interactive, visual learning-based tools for hearing impaired children to improve language skills.

- Nail Disease detection and prediction of related internal diseases.

SOFT SKILLS

Leadership | Team Work | Flexibility | Self-Learning
Pressure Handling | Problem Solving | Innovative | Creative

ACHIEVEMENTS

- World Champions in WSA Young Innovators 2021 out of 377 applicants from over 85 different countries.
  12/2021

- Finalists in World Summit Awards (WSA) in the environment and green energy category.
  12/2021

- Winners (Best Solution) addressing "National Disasters" at National ICT Awards (NBQSA 2021)
  10/2021

- Finalist (winner's circle) at National ICT Awards (NBQSA 2021) under the tertiary level of the technological category
  10/2021

- Winners in national contest e-Swabhimani under the Environment & Green Energy category
  09/2021

- Winners in national contest e-Swabhimani under the Young Innovators category
  09/2021

- Selected as the National Nominee to the World Summit Awards (WSA) in the environment and green energy category through the National contest e-Swabhimani.
  09/2021

- Shortlisted as one of the top 25 out of 252 final year research projects at SLIIT
  07/2021

- Most outstanding paper award in ICAC 2022 research conference
  12/2022

- Merit award for the Algothon workshop organized by SLIIT.
  06/2020 - 12/2020

- Dean's list awards at SLIIT.
  - 2nd-year 1st semester with GPA: 3.8 out of 4.00
  - 2nd-year 2nd semester with GPA: 3.96 out of 4.00
  - 3rd-year 1st semester with GPA: 3.85 out of 4.00
  - 4th-year 2nd semester with GPA: 4.00 out of 4.00

EXTRA CURRICULAR ACTIVITIES

- Moderated two session at ICAC 2022 research conference.
  2022

- Certificate of merit at Science Research Projects Competition, awarded by the National Science Foundation of Sri Lanka.
  2011

- All island graded examinations (in Music), up to grade two passed with Honours. Institute of Western Music and Speech, Sri Lanka.
  2006 - 2011

- Member of Leo Club, Sri Lanka Institute of Information Technology (SLIIT) - District 306 C1.
  01/2020 - Present

- Member of the senior badminton team at St.Joseph Vaz College.
  03/2011 - 12/2012

- Member of the school media unit at St.Joseph Vaz College.
  03/2011 - 12/2012

- Learned Karate in Japan. (Junior Brown Belt)
  2002 - 2004

LANGUAGES

- English ●●●●●●○
- Sinhala ●●●●●●●
- Japanese ●●●○○○○

NON-RELATED REFERENCES

1) **Dr.Janaka Wijekoon**

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   Sri Lanka Institute of Information Technology (SLIIT)
   Malabe
   E-mail: janaka.w@sliit.lk
   Phone: (+94) 715 879 546

2) **Prof. B.T.G Samantha Kumara**

   Head | Department of Computing and Information Systems
   Sabaragamuwa University of Sri Lanka
   Belihuloya
   E-mail: kumara@appsc.sab.ac.lk
   Phone: (+94) 714 431 192

WSA Winner 2021