

THIYAGARAJAH LAKSHAN

S T U D E N T

CONTACT



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https://github.com/LakshanTJ

SUMMARY

Highly motivated undergraduate Computer Science student at the Information Institute of Technology (IIT) with a passion for leveraging technology to solve real-world problems. Proficient in Python, Java, HTML, and full-stack development. Experienced in robotics and automation through participation in competitions, demonstrating strong problem-solving and intelligent systems understanding. Eager to collaborate and explore opportunities in software engineering and robotics.

SKILLS

- Technical Skills
- Innovation
- Team Work
- Leadership
- Creativity
- Time Management
- Interpersonal Skills
- Effective Communication
- Problem solving

EDUCATION

- BEng (Hons) Software Engineering
university of westminster uk (IIT) | 2024 - Present
- Foundation Certificate in Higher
Education in AI & Data Science
Robert Garden University (IIT) | 2023 - 2024
- Successfully passed GCE Ordinary Level Examination
Highlands National Collage Hatton
2022(2023)

SOFT SKILLS

- Good communication Skills - Tamil & English
- Good Organizational and Time management Skills
- Strong leadership and teamwork Skills
- Programing Skills
- Innovation & Creativity Skills

TECHNICAL SKILLS

- HTML
- Java Script
- Java
- Python

LANGUAGE

- English
- Tamil
- Sinhala

NON-PROFESSIONAL INTERESTS

- Riding bike & bicycle
- Athletic
- Invention
- Volunteering for tech site

ACHIEVEMENT OR COMPETITIONS

- Successfully passed Foundation Certificate in Higher Education in AI & Data Science - 2024
- Successfully passed Personal & Professional Communication - DipLcm 2024
- Successfully passed Certificate in advanced spoken English - 2024
- Participated in J'Pura ElectroCombat Robot Battle Competition – 2024
- Participated in UWU Battle Bot 2.0: Death Race Competition – 2024
- Successfully passed Certificate in spoken English 2023

PROJECT

- **Traffic Data Management.**

I developed a Python-based traffic data management system with a graphical interface that visualizes traffic patterns using bar charts for data analysis. This project showcases my proficiency in Python and my ability to create visual representations that simplify complex transportation data, aiding informed decision-making.

- **Percolation Simulation System**

Developed a Python-based percolation simulation that models liquid flow through dynamic grids using custom algorithms, with results stored in text/HTML. Optimized data visualization and user interaction, showcasing expertise in Python, algorithms, and file handling.

- **Project Management System for XYZ Company**

Developed a Python-based project management system for tracking construction projects, workforce allocation, and project stats. Designed a user-friendly interface, showcasing skills in Python, data structures, and software development.

EXTRACURRICULAR ACTIVITIES

- Vice Chair – IIT IEEE Robotics and Automation Society Tracktion (2025 - Present)
Leading program & logistics management.
- Volunteer – IIT IEEE Robotics and Automation Society RobotNexus (2025)
Assisted in program & logistics management.
- Participant – Battle Bot Competition (2024)
Designed and built a combat robot for a competitive events.
- Member – IIT IEEE Robotics and Automation Society (2023 - Present)
Engaged in hands-on robotics projects and workshops.

REFERENCE

Sankha Hettiarachchi

B.Sc. (Honors) in Applied Mathematics (USJ)(Sri Lanka)
Assistant Lecturer,
School of Computing,
Informatics Institutes of Technology,
Colombo,
Sri Lanka.

Banuka Athuraliya

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