



# CHALANI NADEESHA

## Undergraduate Software Engineering

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

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### OBJECTIVE

Motivated and detail-oriented undergraduate with a strong foundation in software development, data analysis, and machine learning. Seeking an internship opportunity in **Software Engineering** or **AI/ML Engineering** to apply programming skills, enhance practical knowledge, and contribute to innovative projects.

### EDUCATION

**BSc (Hons) in Information Technology in Software Engineering** – Sri Lanka Technology Campus, Padukka.  
(Expected Graduation - 2026)

- Relevant Modules – Artificial Intelligence, Machine Learning, Data Structures & Algorithms, Software Architecture.
- Current GPA – 3.21

**2020 GCE Advanced Level**  
Gothami Balika Vidyalyaya, Colombo 10, Technology Stream - 3C

### SOFT SKILLS

- Problem Solving
- Team Collaboration
- Communication
- Time Management
- Adaptability

### LANGUAGES

- English
- Sinhala

### PROJECTS

#### Happy Path – Learning Management System for Down syndrome Children (Final Year Project - Ongoing)

- Built backend of an assistive app for children with Down syndrome, integrating an AI-based emotion detection model with Flask API.
- Trained and optimized the model using Python, OpenCV, and deep learning for real-time predictions.

#### Smart Fan Control Using Image Processing

- Integrated Arduino + OpenCV for real-time object detection and automated fan control using Python scripts.

#### Sri Lankan Cricket Squad Selection Using ML

- Designed an ML system for optimal player selection using regression models and feature engineering; developed the frontend interface.

### TECHNICAL SKILLS

- Programming Languages** – Python, Java, C, JavaScript, HTML, CSS, React.js, Node.js, Flask
- ML/AI** – Scikit-learn, TensorFlow, PyTorch, Pandas, OpenCV
- Databases** – MySQL, MongoDB
- Tools** – Git/GitHub, Jupyter Notebook, Wireshark, Power BI, Docker, AWS(Basic).
- Other** – Data Visualization, Data Preprocessing, Model Training & Evaluation, API Integration, Agile Methodology (Scrum).

### LEADERSHIP & ACTIVITIES

#### Leo Club of Sri Lanka Technological Campus – Club Secretary (2024/2025)

- Managed communications, events, and documentation.
- Achievements at A2Con'25: Best Administered Club (1st RU), Most Outstanding Secretary (2nd RU), District Contest Excellence (1st RU).

#### Leo Club of SLTC – Director of Poverty & Betterlife (2023/2024)

- Led community service initiatives on poverty and social welfare.

#### AIIESEC in SLTC – Active Member & Leadership Board Member for OGT Function (2023-2024)

- Organized and led **Outgoing Global Talents** (OGT) programs, coordinating teams and ensuring successful execution.

### CERTIFICATIONS

- Kaggle – Introduction to ML
- Kaggle – Introduction to DL
- Coursera – How to create a Jira SCRUM project.
- DeepLearning.AI – Generative AI

### REFERENCE

Mr. Hasitha Gunasekara  
Senior Windows Engineer  
London Stock Exchange Group  
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