







# Keerthana Giridharini

Software Engineer || UI/UX Engineer

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 Colombo, Sri Lanka  Keerthana Giridharini

## SUMMARY

I am a friendly, passionate, and driven First-Class graduate eager to begin my professional journey in software engineering. With a strong foundation in problem-solving, programming, research, and modern technologies, I am always ready to learn and adapt to new challenges. I thrive in teamwork, embrace change with a positive mindset, and stay committed to continuous growth. My goal is to turn academic knowledge and project success into real-world impact that adds value to any organization I join.

## SKILLS

**Technical Skills:** Bootstrap, React, Sass, CMS backend scripting Js (for Wix), Drupal framework, HTML, CSS, JavaScript, Kotlin, Java, Python, Flask API, REST APIs, MySQL, GitHub Actions, Kali Linux, Unit Testing, Tensorflow, Machine Learning, Excel solver

**Tools:** Jupyter notebook, VS Code, IntelliJ IDEA, NetBeans, Figma, Sketch, SVGator, SVGArtista, Lottie, Photoshop, Illustrator, PowerPoint, Canva, SourceTree, Framer, Midjourney, DALL-E, WIX seo tool, lovable AI, GPT

**Soft Skills:** Adaptability, Problem-Solving, Eagerness to Learn, Teamwork, Communication, Time Management, analytical thinking, creativity, committed hardworking, positive thinking

## EDUCATION

**Informatics Institute of Technology, affiliated with University of Westminster** Jan 2022 – May 2025  
*BEng (Hons) Software Engineering with industrial placement : First class Honours*

**Presbyterian Girl's School Dehiwala** 2007 – 2020  
*G.C.E Advanced Level Examination : Physical science stream* 2020  
*G.C.E Ordinary Level* 2017

**Headway Learning Solution with American Center** Jan 2021 – Apr 2021  
*Business English Programme*

## EXPERIENCE

**Atlink Communications Inc** Jul 2023 – June 2024.  
*UI/UX Engineer - Training* Colombo, Sri Lanka

- UI/UX Live Projects, Designed and developed responsive interfaces using Bootstrap, React, Sass, Wix, and Drupal. Skilled in UI/UX design (Figma, Sketch), graphics/animation tools, and version control. Experienced in performance analysis, security tools, AI website builders, AI image generation, and SEO tools. Also contributed to research studies and actively engaged in some client project meetings.

## PROJECTS

**Final Year Project - 'Cholecheck' an explainable AI based Gallbladder diseases classification and detection**  
*Deep learning, Flask API, Keras, React, Python, TensorFlow/PyTorch, XAI*

- This system developed to classify and detect 9 types of different gallbladder diseases inside the digestive system. In this study the best model evaluated by different experimental study with different deep learning approaches using CNNs. For medical expert's better understanding Gradcam and lime used as the XAI techniques.
- In addition, React used for front end development and python flask for backend development.
- **This project was selected among the Top 50 out of 600+ final year projects and further shortlisted to the Top 8 projects for NBQSA selection from IIT. IEEE Publication accepted - IRCE, ICTer 2025- Publication accepted.**

### Online exam monitoring system Group project

*React, Firebase, Node, Python, machine learning*

- Designed and deployed this system to detect students abnormalities to prevent cheating during online exams.

### EthicalEyes - Deepfake detection mobile application

*Python, Flask, TensorFlow/Keras, Mobile Application Development, Fake images, GANs, Firebase*

- Designed and developed a mobile application integrated with a deep learning framework to detect fake images.

### Color Picker Chrome Extension - A browser extension for picking colors from any webpage

*JavaScript, Chrome Extension APIs, HTML5, CSS3*

- Developed a Chrome extension with intuitive color picking functionality that allows users to extract colors from any webpage element with real-time visual feedback and crosshair cursor.

### Tourism web applications Serandib treasurers and pixels.

*HTML5, JavaScript, CSS3*

- Serandib treasurers

### UI UX Designs - Figma / Photoshop

- Spark-Electric bike application
- Pay screen UI
- PM Dashboard
- Tourism web application
- Flight Booking application

## ACHIEVEMENTS

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- **Codefest (Designathon) - SLIIT** (Jan 2023)  
Finalists in the competition.
- **Mozilla UI/UX Bootcamp - Informatics Institute of Technology** (Nov 2022)  
Participated in the bootcamp conducted by WSO2 and Rootcode.
- **Parallax - Rotract club of Informatics Institute of Technology** (Nov 2022)  
Participated in UI UX competition .
- **Duoathan - IEEE of NSBM** (Feb 2023)  
Participated in hackathon competition and got selected in to top 25 out of 150+ teams .
- **Chess best player under 17 - Presbyterian girl's School**

## EXTRA CURRICULAR ACTIVITIES

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- **Volunteering Services - IIT (2021-2025)**  
SyncUp mentoring conducted by WIE IIT - 2025  
Cutting edge organizing committee - 2022, 2025  
Member of public visibility, Program logistic - IEEE CS 2022  
Member of content, Design Team - IEEE Codesprint 2022
- **Extra work - Presbyterian girl's school (2017-2020)**  
House vice captain of school - 2019  
Secretary of school science society - 2019  
School chess captain - under 17

## REFERENCES

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### Mr. Eraj Weerasingha

UX Director

Atlink communication (PVT) Ltd

eraj.wirasinha@atlinkcom.com

077 727 5175

### Mr. Suresh peiris

Co-Founder at inforwaves,

Visiting Lecturer at IIT

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