

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, Kali Linux, Unit Testing, Tensorflow, ML, 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

Languages: English, Sinhala, Tamil

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

- **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

- **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

Mr. Eraj Weerasingha

UX Director

Atlink communication (PVT) Ltd

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Mr. Suresh peiris

Co-Founder at inforwaves,

Visiting Lecturer at IIT

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