

CONTACT

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LinkedIn

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Medium

<https://nasa-strawberry.medium.com/>

EDUCATION

SLIIT – BSc (Hons) in Biotechnology – Aug 2021 – Aug 2025

HarvardX University – Astrophysics, Web programming, Astronomy

TOP SKILLS

- Arduino
- Deep Learning
- Data Visualization
- Artificial Intelligence (AI)
- Bioinformatics Tools
- Python
- R
- Machine Learning
- Deep Learning
- Blender
- Unity
- Covidance
- Creative Writing
- Story telling

LANGUAGES

- Tamil (Native or Bilingual)
- English (Professional Working)
- Sinhala (Limited Working)

PUBLICATIONS

Microarray Data Analysis and Subgroup Identification of Medulloblastoma

Keerthana Gunaretnam

Data Scientist (ML/AI)

I am Keerthana. I thrive on challenge and ambitious goals. My greatest strength is the ability to combine my analytical skills with well-developed interpersonal skills. I can build and maintain high-quality technology ideas and I am most interested on discover something new in research field. I am committed and enthusiastic candidate seeking opportunities and I am a Biotechnologist & Citizen Scientist.

EXPERIENCES

- Blue Chip Technologies Asia – Data Science (ML/AI)
- SEDS Sri Lanka – Assistant Manager of the Bio Medical and Earth Science Division
- SEDS SLIIT – Secretary
- SLT Digital Services (Pvt) Ltd. – Biomedical Engineer
- SustainUZ club of SLIIT – Editor
- NASA International Space Apps Challenge – NASA Space Apps Local Lead
- Scientific Researcher
- NASA Citizen Scientist – EXOTIC (Exoplanet Exploration Planets Beyond Our Solar System), CITSCI Foundation, International Astronomical Search Collaboration
- Moon Village Association – Marketing Team
- University of Oxford – Genome Detector
- Space Generation Advisory Council (SGAC) – Space medicine & life science
- RDA Engineering – Robotic and ICTT
- Women in Data Science Worldwide Ambassador [Asia]

PROJECTS/RESEARCHES

- EXOTIC – Exoplanet Exploration Planets Beyond Our Solar System
- Building the Space Biology Model Zoo
- Fly by Wireless
- Mobile Health Center
- Human Factors of Covid-19
- Space Biology Super Hero
- Climate Change Prediction – Women in Data Science in Worldwide
- Kilonova Seekers
- Name the Neutrino!
- Genome Detectives
- Redshift Wrangler
- Dark Energy Explorers

<https://doi.org/10.21203/rs.3.rs-3856545/v1>

ORCID: <https://orcid.org/0000-0002-3979-7489>

**Starlight**

[https://www.amazon.com/dp/B0CSWD6Z9K?ref=ast\\_author\\_mpb&asin=B0CSVKKQZK&revisionId=&format=4&depth=2](https://www.amazon.com/dp/B0CSWD6Z9K?ref=ast_author_mpb&asin=B0CSVKKQZK&revisionId=&format=4&depth=2)

**Folklore**

[https://www.amazon.com/Folklore-Keerthana-Gunaretnam-ebook/dp/B0BRG7SM6F?ref=ast\\_author\\_mpb](https://www.amazon.com/Folklore-Keerthana-Gunaretnam-ebook/dp/B0BRG7SM6F?ref=ast_author_mpb)

**Astrobiology Hero: Hubble Space Telescope**

[https://www.amazon.com/Astrobiology-Hero-Hubble-Space-Telescope-ebook/dp/B09MKXL2SX?ref=ast\\_author\\_dp](https://www.amazon.com/Astrobiology-Hero-Hubble-Space-Telescope-ebook/dp/B09MKXL2SX?ref=ast_author_dp)

**INDUSTRIAL EXPERIENCES**

Bio-Medical Engineer – SLT Digital Lab

Business Development & Data Science (ML/AI) – Blue Chip Technologies Asia

**REFEREES**

**1. Mr. Shanitha Mirihana**

Lecturer of Bioinformatics

Sri Lanka Institute of Information Technology

[Shanitha.m@sliit.lk](mailto:Shanitha.m@sliit.lk)

**2. Mr.Jagath Kasturiarachchi**

Senior Lecturer

Sri Lanka Institute of Information Technology

[Jagath.k@sliit.lk](mailto:Jagath.k@sliit.lk)

Diabetic Retinopathy Stage Prediction

Skin Disease, Skin Tone, and Skin Type Prediction

**CERTIFICATIONS**

Certificate of Achievement Educator Professional Development Event – Explore Humans in Space, Explore Solar System & Beyond

International Space Challenge

Planetary Defender

Galactic Problem Solver

Global Problem Solver

Introduction to Machine Learning: Art of the Possible

Top 105 YOUNG ENTREPRENEURS Certificate of Achievement – SPARK

Stellar Lead

Certificate of participation of Women in Data Science (WiDS) Worldwide

Certification of Codecon 3.0

Certification of “Flood Risk Assessment in Cameroon” workshop

Certificate to present of Moon Village Design Hackathon

Certificate of participation of International Space Challenge (ISC)

Certificate of achievement as finalist – 2nd Inter University Space Quiz Competition 2021

Certification for Planetary Defender

Certification for “Coding for Marketers Course”

Certificate of participation for “Online Certificate Course on Molecular Biology Techniques” – Spectrum Institute of Science & Technology

Certificate of CSS Course

Certification for EO Dashboard Hackathon

Certification for “Foundations of Citizen Science”

Certification for Citizen Scientist – International Astronomical Search Collaboration

Certification for joining NASA’s Artemis Generation

Certificate of Achievement Educator Professional Development Event – NASA EPDC Virtual Learning Opportunities

Certification for “The Planetary Society and Stardust @Home”

Certificate of participation for “Mission to Mars Student Challenge”

Certification for “VI Encuentro Internacional de la Red Latinoamericana y del Caribe del Espacio – ReLaCa ESPACIO”

Certificate of participate “Humanos en el espacio”