

## PERSONAL INFORMATION

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|---------------|--|
| Name          | <b>GAMMANPILA HIMIYAGE DON, Thilosha Nipunajith Gammanpila</b>                 |
| Address       | <b>292/8, Badulla Road, 90100, Bandarawela, Sri Lanka</b>                      |
| Telephone     | <b>+94711438456</b>  |
| E-mail        | <a href="mailto:thiloshanipunajith@gmail.com">thiloshanipunajith@gmail.com</a> |
| Nationality   | Sri Lankan   |
| Date of birth | 19.06.1997   |

## WORK EXPERIENCE

- |   |  |
|---|--|
| <ul style="list-style-type: none"><li>• Dates (from – to)</li><li>• Name and address of employer<ul style="list-style-type: none"><li>• Type of business or sector</li><li>• Occupation or position held</li></ul></li><li>• Main activities and responsibilities</li></ul> | <p>January, 2025 – Present</p> <p>SULECO (Pvt) Ltd, No 44, Beddagana South, Pitakotte, Sri Lanka</p> <p>Engineering</p> <p>Manager - Geospatial Solutions Division (<u>Spatio SDS</u> - Spatial Data Systems)</p> <p>Leading and managing geospatial system based solution developement projects</p> <ul style="list-style-type: none"><li>- <u>Spatio LGS</u> - Colombo Municipal Council Land and Environemntal Division Asset Management System</li><li>- <u>Spatio Agri</u> - Agricultural asset management systems for local farmers, plantations</li><li>- Urban Development Authority's Land Property Information System (LPIS)</li><li>- Pavement Maintenance Management System (PMMS) for Katunayake International Airport</li><li>- <u>GIS Application</u> for Mahaweli Consultancy Bureau</li><li>- Forestry Management Information Systemm (FMIS) for Browns PLC</li></ul> |
| <ul style="list-style-type: none"><li>• Dates (from – to)</li><li>• Name and address of employer<ul style="list-style-type: none"><li>• Type of business or sector</li><li>• Occupation or position held</li></ul></li><li>• Main activities and responsibilities</li></ul> | <p>July, 2023 – Present</p> <p>SULECO (Pvt) Ltd, No 44, Beddagana South, Pitakotte, Sri Lanka</p> <p>Engineering</p> <p>Geospatial Developer</p> <p>Involved heavily in the following GIS based application development projects: Software Development, Requirement Analysis, Technical Research, Quality Assurance, Terms of Reference Preparation, Documentation, Coordinating</p> <ul style="list-style-type: none"><li>• Visigeo – GIS Visualization App (For <a href="#">2D</a> geospatial data)</li><li>• Visigeo – GIS Visualization App (For <a href="#">3D</a> geospatial data)</li><li>• <u>GIX</u> – GIS based Land Administration App</li><li>• <u>Site360</u> - AR- based Telco Tower Infra Management System</li><li>• Drone Service Management Application for Local Farmers</li></ul>  |
| <ul style="list-style-type: none"><li>• Dates (from – to)</li><li>• Name and address of employer<ul style="list-style-type: none"><li>• Type of business or sector</li><li>• Occupation or position held</li></ul></li><li>• Main activities and responsibilities</li></ul> | <p>January, 2023 – July, 2023</p> <p>SULECO (Pvt) Ltd, No 44, Beddagana South, Pitakotte, Sri Lanka</p> <p>Engineering</p> <p>Trainee Surveyor</p> <p>Involved in the early stages of Visigeo Software Design and Development, GNSS surveying and post processing, land surveying, CORS solution, LiDAR surveying and post processing, Aerial surveying, Leica Geosystems short course series resource person</p>  |
| <ul style="list-style-type: none"><li>• Dates (from – to)</li><li>• Name and address of employer<ul style="list-style-type: none"><li>• Type of business or sector</li><li>• Occupation or position held</li></ul></li><li>• Main activities and responsibilities</li></ul> | <p>February, 2023 – September, 2023</p> <p>Project C Foundation, UK Engineering</p> <p>Health</p> <p>Research Intern</p> <p>Involved heavily in the following GIS based application development projects: Software Development, Requirement Analysis, Technical Research, Quality Assurance, Terms of Reference Preparation, Documentation, Coordinating</p>   |

- Dates (from – to)
- Name and address of employer
  - Type of business or sector
  - Occupation or position held
- Main activities and responsibilities

## EDUCATION AND TRAINING

- Dates (from – to)
- Name and type of organization providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded
- Level in national classification (if appropriate)

## PERSONAL SKILLS AND COMPETENCES

### MOTHER TONGUE

### OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

### SOCIAL SKILLS AND COMPETENCES

### ORGANIZATIONAL SKILLS AND COMPETENCES

### TECHNICAL SKILLS AND COMPETENCES

### ARTISTIC SKILLS AND COMPETENCES

September, 2022 – June, 2023

Norden Impact, Stockholm, Sweden

Sustainability Development

Research Analyst (Apprenticeship)

Data structures and algorithms research and development for HYPERLEDGER precision agriculture projects

December, 2017 – July, 2023

Department of Remote Sensing & GIS, Faculty of Geomatics, Sabaragamuwa University of Sri Lanka

Computer Programing (C, C++, PHP, HTML, CSS, Java, Java Script, Python), Advanced Mathematics (Descriptive Statistics & Probabilistic Functions, Inferential Statistics and Numerical Methods, Linear Algebra, Differential Calculus), Advance Physics (Mechanics, Electro Magnetic and Electro Static Fields), Optical & Microwave Remote Sensing, GIS Modelling, GIS Programming and Customization, Open-Source GIS & Web Mapping

Bachelor of Science Honors in Surveying Sciences in Geographic Information System, Second Class Upper Division

SLQL 6 (Sri Lanka Qualifications Framework Level) – Honors Bachelors

### Sinhala

### English

Good

Good

Good

Proficient in living and working within diverse environments, exemplified by leadership as Chair of SEDS (Students for the Exploration and Development of Space) Sabaragamuwa University Chapter, organizing and managing projects with multicultural teams, fostering collaboration and cultural understanding.

Demonstrated effective communication and teamwork in software development projects, collaborating with marketing, developers, and sales teams to deliver successful solutions in multitasking diverse environments

Involved in organizing voluntary projects with SEDS, such as NASA SpaceApps Colombo (2020-2022) where roles included Organizer, Media Coordinator, and Local Host. Led pioneering initiatives like SEDS SpaceArts 2021 and SEDS Open Astro Night, SEDS SpaceHack.

Managed workshop events for SULECO (e.g., Techno '23, EXMO '23, ISM '23 and '24, Future Harvest '24), overseeing budget planning and media coordination.

Program Languages: C, C++, Python, Java, JavaScript, PHP, R

Software: LiDAR360, ArcGIS Pro, QGIS, DJI Pix4D, AutoCAD, Autodesk Civil 3D, Adobe Photoshop, Illustrator, Clip Studio Paint

Drone Piloting, GNSS Surveying, Optical Surveying Equipment, LiDAR Scanning

[Creative Arts](#)

[Comic Writer and Artist](#)

Short Movies

|                                 |   |
|---------------------------------|---|
| OTHER SKILLS<br>AND COMPETENCES | Podcast host, You Tube content creator  |
| ADDITIONAL INFORMATION          |   |
| GRADUATION THESIS               | Gammanpila, G.H.D.T.N. (2023). Landslide Risk Assessment and Dissemination Using Multi-Source Spatial Parameter Integration for High-Risk Zones of Sri Lanka.   |
| PUBLICATIONS                    | <p>Gammanpila, G.H.D.T.N., Rodrigo, U.H.G., Weerakoon, I.T., &amp; Welikanna, D.R. (2023). A Combined Probabilistic Model and API to Support Landslide Risk Prediction and Dissemination. In: 9th International Conference of Sabaragamuwa University of Sri Lanka and 4th China - Sri Lanka Communication and Cooperation Forum Book of Abstracts, pp. 84. <sup>[1]</sup></p> <p>Rodrigo, U.H.G., Gammanpila, G.H.D.T.N., Weerakoon, I.T., &amp; Welikanna, D.R. (2023). A Web-Based Landslide Risk Dissemination Portal Incorporating Bayesian Probabilistic Risk Prediction Mechanism on Landslide Causative Parameters. In: RESCON PGIS Research Congress 2023 Proceedings, pp. 27.<sup>[2]</sup></p>   |
| ACHIEVEMENTS                    | <p>Global Nominee, Local Impact Award I NASA SpaceApps Colombo 2021 (Team Leader, Pitcher, ML &amp; Probabilistic Model, UI/UX Design)<sup>[3]</sup></p> <p>Observation Category Winner I NASA SpaceApps Colombo 2020 (Team Leader, Pitcher, Web Developer)<sup>[4]</sup></p> <p>8th Place I Indian Rover Design Challenge (IRDC) 2021, 17th Place I <a href="#">European Rover Challenge (ERC) Finals 2022</a> (Scientific Task Team Member, Image Model, Post Processing)</p> <p>Finalist in following Hackathon events - HackX 2020, ActInSpace Colombo 2020, Asia Pacific Innovation Challenge 2021, Microsoft Imagine Cup SEA NM Regional Competition (Earth Category), Selected for Social Innovation Camp - HackaDev Social Innovation Challenge 2020</p> <p>Chair of the Year I SEDS Sri Lanka Award Ceremony 2021</p>  |
| NON-RELATED REFERENCES          | <p>Dr. D.R. Welikanna, Senior Lecturer, Faculty of Geomatics, Sabaragamuwa University of Sri Lanka<br/>Email: <a href="mailto:drw@geo.sab.ac.lk">drw@geo.sab.ac.lk</a><br/>Telephone: +9477 158 8007</p> <p>Prof. Saman Koswatte, Senior Lecturer, Faculty of Geomatics, Sabaragamuwa University of Sri Lanka<br/>Email: <a href="mailto:koswatte@gmail.com">koswatte@gmail.com</a><br/>Telephone: +9471 445 8749</p>   |
| ANNEXES                         | <ol style="list-style-type: none"> <li>1. Book of Abstracts of the 9th International Conference of Sabaragamuwa University of Sri Lanka - ICSUSL 2023: <a href="https://www.icsusl.sab.ac.lk/ICSUSL_2023_Book_of_Abstracts.pdf">https://www.icsusl.sab.ac.lk/ICSUSL_2023_Book_of_Abstracts.pdf</a></li> <li>2. RESCON – PGIS Research Congress 2023 Proceedings: <a href="http://www.pgis.pdn.ac.lk/rescon2023/docs/RESCON2023_Proceedings%20Final.pdf">http://www.pgis.pdn.ac.lk/rescon2023/docs/RESCON2023_Proceedings%20Final.pdf</a></li> <li>3. <a href="https://2021.spaceappschallenge.org/challenges/statements/identifying-risk-with-science-communities/teams/cifra/project">https://2021.spaceappschallenge.org/challenges/statements/identifying-risk-with-science-communities/teams/cifra/project</a></li> <li>4. <a href="https://2020.spaceappschallenge.org/challenges/observe/scanning-lifeforms/teams/hat-statics/project">https://2020.spaceappschallenge.org/challenges/observe/scanning-lifeforms/teams/hat-statics/project</a></li> </ol> |