

# T.H.T.C. GUNATHILAKA

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**Permanent Address:** Karadeniya, Galle, Sri Lanka

**Temporary Address:** Kelaniya, Gampaha, Sri Lanka



## PROFILE

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A highly motivated and detail-oriented Computer Science graduate with a BSc in Computer Science and nearly two years of hands-on experience in the full software development life cycle (SDLC), AI technologies, and system optimization. Dedicated web developer with strong problem-solving and team collaboration skills, currently expanding DevOps knowledge through GitLab CI/CD, Docker, and AWS. Committed to continuous learning and delivering high-quality software solutions in a dynamic environment.

## PROFESSIONAL EXPERIENCE

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- Executive Software Development and Quality Assurance** **December 2023 – Present**  
Printcare PLC, Kelaniya, Sri Lanka (10 Companies under the Printcare Group)
  - Promoted from Intern to Executive in Software Development & Quality Assurance, specializing in full-cycle software development and enterprise solutions.
  - Designed, developed, and deployed enterprise software solutions to optimize business processes across 10 companies under Printcare Group.
  - Conducted software testing and quality assurance, ensuring functional accuracy, reliability, and performance optimization.
  - Led agile development with Scrum methodology, enhancing project efficiency, team collaboration, and successful software delivery.
  - Troubleshoot and optimized system performance, resolving technical issues to improve scalability and operational efficiency.

## EDUCATION QUALIFICATIONS

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- BSc. in Computer Science (Second Class Lower)** **2021 - 2024**  
University of Colombo School of Computing (UCSC), Sri Lanka
- General Certificate of Education Advanced Level Examination, Sri Lanka** **2019**  
Karadeniya Central College, Galle, Sri Lanka  
**Physical Science Stream** | 1 A Pass, 1 B Pass and 1 C Pass

## PROJECTS

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- AI Die Line Design Generation**
  - Developed a locally hosted AI-powered web application for designing cutter diagrams using advanced image generation techniques.
  - Utilized the Flux Model as the core image generation engine, enhanced with custom-trained LoRAs for high-quality 2D image and die-line generation.
  - Integrated Invoke AI to efficiently connect the Flux Model and LoRAs, ensuring precise and seamless image processing.
  - Designed and implemented a custom frontend interface that communicates with the Invoke AI backend via API, ensuring a smooth user experience.
  - Technologies Used: Flux Model, Flux Gym trained LoRa, Invoke AI, Python, React.js, MySQL

- **Nebula Hive Enterprise Workflow System**
  - Developed custom connectors for direct approval/rejection actions (GET, POST, DELETE).
  - Automated PO data retrieval, dynamically filling fields by updating and reading an Excel sheet hourly.
  - Consolidated pending approvals in SharePoint and automated daily reminder emails.
  - Built multi-level approvals, tracking history and comments in Excel.
  - Technologies Used: Microsoft Power Automate, Microsoft Power Apps, SharePoint
- **Cuddle Care Baby Care System**
  - Developed a full-stack web application to help parents manage childcare tasks, including babysitter registration, document submission, and a centralized communication platform for parents, babysitters, and administrators.
  - Implemented a real-time notification system to alert parents about critical health and safety updates, emergencies, and irregular events, enhancing overall responsiveness and care coordination.
  - Technologies Used: MongoDB, Angular, Node.js, Express.js, TypeScript, Postman, Git

## PROFESSIONAL CERTIFICATIONS

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- **University of Moratuwa, Sri Lanka:** Python Programming | Front-end Web Programming | Server-side Programming
- **LinkedIn:** Java 8 Essential Training | Angular Essential Training | Postman Essential Training
- **Udemy:** GitLab CI/CD for Beginners

## TECHNICAL SKILLS

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- **Web Development:** ASP.NET Core 9, Angular, TypeScript, React.js, Node.js, ExpressJS, PHP, HTML, CSS, Bootstrap, XML, jQuery, WordPress
- **DevOps & CI/CD:** GitLab CI/CD, Docker, AWS S3, AWS Elastic Beanstalk, IAM
- **Programming Languages:** Java, C/C++, Python, JavaScript, Scala
- **Database:** MySQL, MongoDB, MS SQL Server, SharePoint
- **Microsoft Power Platform:** Power Automate, Power Apps, Visio
- **Others:** Git, GitHub, Visual Studio, Postman, Restful APIs, OOP, Microservices, Data

## MEMBERSHIPS

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- **Club Services Member** | Rotaract Club, University of Colombo School of Computing (UCSC)

## REFERENCES

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- **C. Ayantha Warnakulasuriya**  
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