

Methmi Dharmakeerthi

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Profile

Soon-to-be BICT (Hons) graduate specializing in Software Engineering (expected October) with 11 months of hands-on experience as a Junior Software Developer. Skilled in full stack development, AI integration, scalable web applications, and database management. Strong exposure to e-commerce development using Shopify.

Education

2021/07 – 2025/07 **BICT(Hons) Specializing in Software**
University of Sri Jayewardenepura
GPA - 3.4

2019 **GCE A/L**
Rathnavali Balika Vidyalaya Gampaha
District 34th

Professional Experience

2024/11 – present **Junior Software Developer**
Altered Experience (pvt) Ltd.

- Developed and maintained multiple international Shopify e-commerce sites.
- Created and managed SRS, effort estimations, timelines, and design requests.
- Implemented custom Shopify apps, optimized UI/UX designs.
- Managed backend configurations including inventory, product catalogs, email marketing automation, newsletter campaigns, and loyalty programs.
- Conducted QA testing and collaborated with design, marketing teams, and clients.
- Developed corporate websites using WordPress.

2024/07 – 2024/10 **Intern Software Engineer**
Altered Experience (pvt) Ltd.

AI & Machine Learning: Designed and integrated a Python based job recommendation system into a PHP platform using Flask APIs.

Database Management: Optimized MySQL databases, migrated data via phpMyAdmin, and managed store data through Shopify automation tools.

Technical Skills

Programming and Web Development

Python, JavaScript, PHP, Java, React, Next.js, C# ,WP

Quality Assurance and Testing

Documentation, Selenium, Katalon Studio, Manual T.

Machine Learning and Data Mining

PowerBI, Python Libraries, Colab, Anaconda

eCommerce

Shopify Store Dev, Email Marketing, Inventory Mgt.

Database Management

MySQL, Workbench,phpMyAdmin, Mongo DB, Oracle

Tools and Platforms

Linux,GoDaddy,Agile,Shopify,Wordpress,Git,Postman

Projects

2024/07 – present	Optimizing Video Streaming at Low Bandwidth Conditions (research project) Developed an AI-driven solution using the H.266 VVC codec to improve video streaming quality under low-bandwidth conditions while maintaining static resolution. Implemented adaptive strategies, video quality analysis, and performance benchmarking for improved viewer experience. <ul style="list-style-type: none">• H.266/VVC codec ,ABR, AI model development for video optimization, PSNR, FFmpeg processing, Python,.
2025/04 – present	Kodak SOUNDBRIX ↗ <i>Official ecommerce site for Kodak Speakers</i> Developed the official Shopify ecommerce website, collaborating with the design team.
2024 – 2025/01	Flip ↗ Developed a Malaysian LinkedIn style job portal with AI driven skill matching using Python Flask and deployed full-stack dashboards and hosting via cPanel Godaddy.
2025/04 – 2025/05	Customer Loyalty & Engagement CRM Platform Built a QR enabled campaign and a CRM system for Life Plus Style Gourmet using Shopify and JavaScript, integrating customer tracking, automated email workflows, and marketing analytics.
2023 – 2024	Guider ↗ Built an Expressway Bus Reservation & Management System with Next.js, Tailwind, and MongoDB, developed core pages, and implemented Selenium WebDriver for automated UI testing.
2024/11	Olinda ↗ Develop a custom Shopify e commerce website for a international Ceylon tea brand with email campaigns, payment Integration and a reward programs
2025/04 – present	Life Plus Style Gourmet ↗ A scalable Shopify e commerce webiste for a U.S. gourmet brand, enhancing shopping flow, integrating loyalty modules, and automating marketing campaigns.
2025/05 – 2025/06	Star Glory Brands ↗ Developed a corporate WordPress website for Star Glory Brands, an international brand licensee distributing electronic and electrical technology products globally.
2024/12 – 2025/01	T-GO ↗ Created an Amazon integrated Shopify website using EComposer, including automated promotional emails and mobile.
2024	TaskIT ↗ Designed the frontend of a collaborative project management tool using Next.js and Tailwind CSS with full manual testing coverage.
2023	HiveLink ↗ <i>Voice Enabled Smart Home Device</i> Prototyped a voice-enabled smart home system using Arduino, integrating voice commands and companion mobile app UX.
2024	KASH ↗ Designed a kids' educational app with Figma UI and authored full software documentation (SRS, ERD, feasibility reports).
2022	Medex ↗ Developed a secure online pharmacy platform using Laravel and SQL with prescription upload and product browsing features.

Certificates

Python Essentials Certificate

by Cisco Network Academy

Software Eng. Intern Qualification Certificate

by Hacker Rank

Python basics skill assessment Certification

by Hacker Rank

Problem Solving Basic Skill Assessment Certification

by Hacker Rank

Extracurricular Activities

2021 – present

Member of ICT Society & Astronomy Club

University of Sri Jayewardenepura

2022 – present

Member of IEEE Student Branch

University of Sri Jayewardenepura

2019 – 2022

Participation of Hackx(2022) & Hackx.jr(2019)

University of Kelaniya

References

Mr. I.B Abeyrathne, *Product Security and Compliance Lead*, Hitachi DPS

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Mrs. Sankani Heenkenda, *Lecturer*, University of Sri Jayewardenepura

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