

# Jathursika Velummayilum

## Software Engineer

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 LinkedIn  GitHub

### Profile

Software Engineer with seven months of hands-on experience in Full Stack development, focusing on building scalable APIs, implementing authentication systems, and integrating database-driven features. Currently learning DevOps practices to enhance deployment automation and CI/CD workflows. I look forward to applying my skills to real-world problems and continuously improving.

### Experience

#### Internship

D P Infotech Private Ltd.

June 2025 – Present

- Developing, maintaining, and debugging modules for a **.NET-based ERP system**, ensuring seamless integration with existing business workflows.
- Contributing to a **PHP-based MVC web application using the CodeIgniter framework** by implementing new features, optimizing performance, and fixing bugs to improve user experience.
- Developing full-stack web applications using the **Laravel framework** with **Blade templates** and AJAX for responsive, dynamic user experiences.
- Building a **Python desktop application** for automating routine tasks and streamlining business processes, enhancing efficiency for internal teams.
- Gaining hands-on experience in **full-stack development**, debugging techniques, and best practices in agile teamwork and project management.

### Education

#### Bachelor of Science Honours in Computer Science, University of Jaffna

2021 - Present

CGPA: 3.07 (credit 68/120)

### Certifications

Certificate of participation: UoJCoders V3.0. University of Jaffna.

2024

30 Days Machine Learning. E-Learning, NoviTech. NT B1ML167

2024

Honours Diploma in Computer Application. Ramanathapuram, India.

2016

Certificate in Student Computer Package. Vethalai, Ramanathapuram, India.

2011

### Projects

#### Transformer-based skin lesion classification

2025 - Present

Undergraduate Research Project.

- I am working on Transformer-based skin lesion classification, leveraging Vision Transformers to enhance accuracy in medical image analysis.
- Tools :** PyTorch, Google Colab, Python.

#### E-Commerce Website with responsive Chatbot

2025

- I am currently building an E-Commerce website with a responsive chatbot.
- Tools:** React.js, Node.js, Python, Flask, MySQL. [Github](#) ↗

#### IEEE Computer Society Website

2025

- We developed the IEEE Computer Society website, designing an interactive and user friendly platform to enhance engagement and accessibility.

- **Tools:** React.js, Contentful CMS. [Github ↗](#)
- **Website:** <https://jathursi.github.io/Cs-landing-website/>

## IIS City Campus Website

2025

- I developed and maintained the IIS City Campus website, ensuring smooth functionality and an improved user experience.
- **Tools:** React.js, Firebase, Contentful CMS [Github ↗](#)
- **Website:** [https://jathursi.github.io/IIS\\_City\\_Campus/](https://jathursi.github.io/IIS_City_Campus/)

## Vehicle Management (E-job Card) Website

2024

Undergraduate Team Software Development - Team Lead

- I led the development of a Vehicle Management (e-job card) project, creating a system to Manage vehicle services, maintenance records, and job cards, improving operational efficiency.
- **Tools:** React.js, Node.js, MySQL [Github ↗](#)

## Languages

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**Tamil:** Native Language

**English:** Professional Level

## Skills

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**Programming Languages:** Python, JavaScript, Java, C#, PHP

**Web Development:** React.js, Node.js, Next.js, Flutter, .NET, Laravel

**Databases:** MySQL, MariaDB, MongoDB, Sequelize ORM, Oracle

**Tools & IDEs:** Adobe Photoshop, Visual Studio, MATLAB, IntelliJ IDEA, Jira

**Platforms:** Windows, Linux

## Attended Conference and Workshop

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**Google exploreCSR Symposium - CyberShield: Strengthening Digital Security and Awareness,** Department of Computer Science, University of Jaffna

Oct 2024

**Workshop on Mastering Deep Learning with Hands-On,** IEEE Computer Society Student Branch Chapter, University of Jaffna

Aug 2024

**Google exploreCSR Summer School on Machine Intelligence (GeSSoMI),** Department of Computer Science, University of Jaffna, in collaboration with the University of Melbourne

Jun 2024

**GeSSoMI-2024: Cyber security Bootcamp,** IEEE WIE Student Branch Affinity Group of the University of Jaffna, University of Jaffna

Jun 2024

**Sri Lanka Student Workshop on Computer Science (SL-SWCS'23),** Department of Computer Science, University of Jaffna

Dec 2023

## Referees

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### Prof. M. Siyamalan

Professor,  
Department of Computer Science,  
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