



## Kithmina Siriwardana

Associate Software Engineer

Kurunegala, Sri Lanka | +94767593818 | [kithminasiriwardana@13gmail.com](mailto:kithminasiriwardana@13gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

---

### Experience

**Axcer Innovations (Pvt) Ltd**

**September 2023 to March 2024**

**Intern Software Engineer**

During my internship, I gained comprehensive full-stack development experience working with both backend and frontend technologies. On the backend, I worked with Node.js frameworks (Express.js, LoopBack, Nest.js) and Python Flask to develop RESTful APIs and microservices. I used React.js and Next.js to create responsive UI components for frontend development. I gained hands-on experience with cloud infrastructure through AWS services (EC2, S3, Amplify, RDS) and Vercel deployments. My database work involved MongoDB and PostgreSQL, including GraphQL integration for optimized data operations. I also contributed to AI implementation projects using Stable Diffusion through Automatic1111 and ComfyUI. Throughout the internship, I actively participated in technical discussions, code reviews, and documentation while collaborating with the development team.

---

### Education

**Sri Lanka Institute of Information Technology (SLIIT)**

**Expected graduation: March 2025**

BSc (Hons) in Information Technology, Specializing in Software Engineering

- Weighted GPA: 3.44 / 4.00

**Royal College Wayamba (WRC), Kurunegala**

**2006 - 2020**

School Education

- **GCE A/L Examination - 2020**
  - General English - A, Combined Mathematics – C, Physics – S, Chemistry – C
- **GCE O/L Examination - 2017**
  - 8 A's including ICT and Commerce, 1 C - English Literature

---

### Projects (Major Ones)

**Optical Insight: Research Project (Grade: A)**

**December 2023 – November 2024**

[Website link](#)

Optical Insight is an advanced web-based platform that leverages hybrid deep-learning models to detect eye diseases. Designed for clinical use, it offers a seamless interface for uploading retinal images and receiving accurate, AI-powered diagnostic insights in real-time.

Technologies: Next.js, Nest.js, Python Flask, MongoDB,

Deep Learning (ResNet-50, VGG16, YOLO) LLM, Open CV

**PickPay: Online E-commerce Platform**

**November 2024**

PickPay is an innovative e-commerce platform offering a seamless experience through a customer-friendly mobile app and a vendor-focused web app.

Technologies: React, ASP.NET Core, Bootstrap, MongoDB, Kotlin

A web application that helps the Sri Lankan community to reduce the digital divide in Sri Lanka.

Technologies: MERN Stack, React Bootstrap, HTML, CSS, Jest

**Collaborative Shopping Platform****September 2023**

A buying and selling web application that interacts with both sellers and buyers in one place.

Technologies: MERN Stack, Material UI, HTML, CSS, Docker, Kubernetes

**EduHub Mobile Application****October 2022**

EduHub is a mobile application that helps users improve their general knowledge by participating in quizzes.

Technologies: Android Studio, Java, Firebase

---

**Technical Skills**

---

- |   |  |
|---|--|
| <ul style="list-style-type: none"><li>• <b>Programming Languages</b><br/>JavaScript, HTML, CSS, Java, C, C++, PHP, Python, C#</li><li>• <b>Frameworks and Libraries</b><br/>React, Next.js, Node.js, Express.js, Nest.js<br/>Spring Boot, ASP .NET</li><li>• <b>Cloud and Deployment</b><br/>AWS (Amplify, S3, RDS, Route 53, EC2, IAM, CloudWatch)</li><li>• <b>Databases</b><br/>MySQL, MS SQL, PostgreSQL, MongoDB, Firebase</li></ul> | <ul style="list-style-type: none"><li>• <b>AI and ML</b><br/>Machine Learning, Stable Diffusion, Deep Learning, Large Language Models</li><li>• <b>IDEs &amp; Application Awareness</b><br/>VS Code, Visual Studio, Eclipse, Docker<br/>PgAdmin, Postman, Android Studio,</li><li>• <b>Others</b><br/>Git, Agile Scrum, MVC architecture, Microservice architecture, MS 365</li><li>• <b>Additional Skills</b><br/>Leadership, Adaptability, Time Management, Problem-Solving, Self-Learning, Communication (English, Sinhala)</li></ul> |
|---|--|

---

**Certifications**

---

- Responsive Web Design - freeCodeCamp
- MongoDB for SQL Professionals - MongoDB University
- JavaScript Essential Training - LinkedIn Learning
- Node.js Essential Training - LinkedIn Learning
- Learning Git and GitHub - LinkedIn Learning
- Introduction to Cloud Computing - Coursera
- Excellence in Recognition of Academic Excellence (Feb 2021, June 2024) - SLIIT
- Certifications for Chess
- Certifications from prize giving in school - WRC

---

**References**

---

Dr. Dharshana Kasthurirathna, PhD (USyd)  
Assistant Professor  
Department of Computer Science  
Faculty of Computing  
Sri Lanka Institute of Information Technology  
Email: [dharshana.k@slit.lk](mailto:dharshana.k@slit.lk)  
Tel: +94 777 671 672

Dr. Dinuka R. Wijendra  
Senior Lecturer Higher Grade  
Department of Information Technology  
Faculty of Computing  
Sri Lanka Institute of Information Technology  
Email: [dinuka.w@slit.lk](mailto:dinuka.w@slit.lk)