



# Harshana Madhuwantha

## Software Engineer( Internship )

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🌐 Harshana Madhuwantha

### 🔧 About me

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I am a fast learner who adapts quickly to change and eager to learn new methods and technologies, and work as an effective team member. Intend to work smart for the advancement of any project that I'm working on. I am seeking a new, challenging career in the IT industry. I hope to give my best performance with my hard work for the success of the organization while gaining more experience.

### 🎓 Education

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**Reading B.Sc. (Hons) in Information System**  
Sabaragamuwa University of Sri Lanka

**G.C.E. Advanced Level in Physical Stream**  
Mr/ Narandeniya National college, Matara

### 📁 Projects

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#### **Clever Convo ( individual - ongoing )** ✎

This project highlights the creation of a vector database from Django documentation PDFs for semantic search. The bot answers questions by searching this database, demonstrating its capabilities with examples. The project integrates Celery for background tasks, Cloudflare Tunnels for connecting Slack API to the local Django project, and Upstash for Redis and vector database storage.

**Technologies used - Python, Django, Celery, Upstash, LlamaIndex, OpenAI**

#### **Content Harbor ( individual - ongoing )** ✎

This project about a secure content management system using Django, HTMX, and S3 storage. Key features include user authentication, content uploads, and user management. Deployment is handled with Kubernetes and secured using TwinGate. This project covers setup, deployment, and practical usage for efficient content management.

**Technologies used - Python , Django, Kubernetes, TailwindCSS, Twingate, AWS S3, & HTMX**

#### **Tiny Titans ( individual - ongoing )** ✎

This project is about modern micro eCommerce web application .This application is a small online store focusing on a limited product range. It uses modern technology for fast, easy shopping and can be scaled up as needed.

**Technologies used - Python , Django, Neon Postgres, Stripe, & TailwindCSS**

#### **IGym Web-based Application ( Group - ongoing )** ✎

Developing a web application for the fitness Center  
Role: Full-Stack developer, UI/UX designer

**Used Technologies: React JS, Tailwind CSS, MongoDB, MySQL**

#### **University Medical Records Management System ( Group )** ✎

Medical records management system which provides online appointment and consultation features for university students.  
Role - UI Designer

**Technologies used - ReactJS , NodeJS , MySQL**

## Certificates

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### Certificates for Machine Learning

- Introduction to Machine Learning at mygreatlearning.com (completed).
- AI/ML Engineer at faculty of computing in SLIT ( ongoing )

### Certificate for Cybersecurity

- Introduction to Cybersecurity at Cisco Networking Academy.

### Certificates for Web Developing

- Front End Development - HTML at mygreatlearning.com ( completed ).
- UI / UX for Beginners at mygreatlearning.com ( completed ).
- Introduction to Design Thinking at mygreatlearning.com ( completed ).

## Skills

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### Programming Languages

Python  
JavaScript  
HTML / CSS  
Tailwind CSS

### Design tools

Figma

### Frameworks

Django  
React js

### Version Control

VS code  
Git

### Databases

MySQL

## Soft skills

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- Team work
- Good communication
- Leadership
- Eligibility to accept challenges
- Organizing & Planning
- Decision Making
- Problem Solving

## Extracurricular Activities

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- A member of the IEEE Student Branch
- A member of Society of Computer Sciences (SoCS)
- Member of university street drama group
- Member of university Drama club.

## Hobbies and life interests

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- Hiking and camping , Stage and Street Acting , Social working , Drama Script and Poem writing , Outdoor activities like - playing cricket, volleyball , Stay calm and enjoy every moment in life .

## References

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**Prof. B.T.G.S Kumara**, *Professor in Computer Science*,  
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