







Dilini Chethana

Software Engineering Intern

 dilinichethi@gmail.com  +94 752791252  Kandy, Sri Lanka  Dilini Chethana

 Dilini Chethana  Portfolio

Profile

An enthusiastic and detail-oriented Computing and Information Systems undergraduate at Sabaragamuwa University of Sri Lanka with a keen interest in software engineering and system development. I possess hands-on experience in building web and mobile applications through academic and personal projects. I aim to apply my problem-solving abilities, coding skills, and teamwork experience to contribute effectively to a dynamic software engineering team.

Education

BSc (Hons) in Computing and Information Systems Sabaragamuwa University of Sri Lanka	2022 – Present Belihuloya, Sri Lanka
G.C.E(A/L) (physical Science Stream) St. Anthony's Girls' College , Kandy	2007 – 2021 Kandy, Sri Lanka

Projects

SecuVision – AI-Powered Shoplifting Detection System | (Group Project)

Technologies: Python | PyTorch | YOLO | OpenCV | React.js | Firebase | Twilio API

- Developed an AI-powered surveillance system to detect shoplifting in real time using a YOLO-based detection model.
- Integrated PyTorch and OpenCV for live video analysis and Twilio API for instant alert notifications.
- Designed a React.js dashboard for centralized monitoring and event tracking.

My Contribution - Trained the YOLO-based AI detection model and developed the React.js frontend dashboard for real-time surveillance and Twilio alert integration.

Car Rental Management System (Individual)

Technologies: React | Java | MySQL | REST API

- Built a full-stack car rental system managing vehicles, bookings, and billing.
- Developed secure authentication, admin dashboard, and backend API integration.
- Implemented database management and booking functionalities using MySQL and Java.

Farm Management System SUSL | (Group Project)

Technologies: Laravel | PHP | MySQL | JavaScript | Blade | Bootstrap | CSS

- Developed a comprehensive farm management system for Sabaragamuwa University of Sri Lanka.
- Implemented features for medicine management, inventory control, and reporting dashboards.
- Designed role-based access for users and administrative controls for efficient farm operations.

My Contribution - Built modules for inventory and medicine management with role-based access and reporting using Laravel and PHP.

Tax Assessment System – Sri Lanka | (Group Project)

Technologies: HTML | CSS | PHP | MySQL

- Developed a web platform for online assessment tax payments in Sri Lanka.
- Implemented user registration, secure payment processing, and administrative dashboard.

- Integrated location-based services and data tracking for efficient administration.

My Contribution - Developed a web platform using HTML, CSS, PHP, and MySQL for online tax payments with secure user registration, payment processing, and an admin dashboard featuring location-based data tracking.

Pantry Finder – Smart Recipe Recommender (Ongoing Project)

Technologies: React | Python | TensorFlow | Node.js | Computer Vision

- Built an AI-powered mobile app that scans food images, identifies ingredients, and suggests personalized recipes.
- Integrated computer vision for food recognition and AI-based recommendation system.
- Implemented expiry tracking, smart shopping list, and user-friendly mobile interface.

Certificates

1. IT Essentials Course – Cisco Networking Academy

Gained foundational knowledge in computer hardware, software, and networking basics.

2. Introduction to Artificial Intelligence - Alison

Learned basic AI concepts, applications, and real-world use cases.

Skills

Technical Skills

- **Programming Languages:** Python, JavaScript, Java, PHP
- **Frameworks & Libraries:** TensorFlow, PyTorch, Scikit-learn, OpenCV, React.js, Node.js, Express.js, Flutter
- **Databases:** MySQL, MongoDB
- **AI/ML Tools:** Jupyter Notebook, Google Colab, Pandas, NumPy, Matplotlib
- **Version Control:** GitHub
- **Web Technologies:** HTML, CSS, Tailwind CSS, PHP
- **Other Skills:** Data Analysis, Model Training, Computer Vision, UI/UX Design, REST API Development, OOP Concepts, Design Patterns


Soft Skills

- Teamwork & Collaboration
- Time Management
- Problem-Solving
- Presentation & Communication

Extra Curricular Activities

- IEEE Member | Student Branch, SUSL
- Member - Society of Computer Science, Faculty of Computing, SUSL

References

Mrs. PKDK Kaushalya, *Lecturer (Probationary)*,
Department of Computing & Information Systems,
Faculty of Computing,
Sabaragamuwa University of Sri Lanka.
Phone No: +94 71 706 3574
Email: kaushalya@foc.sab.ac.lk 

Chamara Abeyrathna, Technical Specialists, Software
Engineering,
Wiley Global Technology.
Phone No: +94 77 211 0010
Email: cabeyrath@wiley.com 