

# ASHAN CHINTHANA

## CONTACT

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🌐 [Ashan Chinthana Portfolio](#)

in <https://www.linkedin.com/i>

🔗 <https://github.com/ashanchinthana>

## EDUCATION

### NSBM Green University

2022-2025

BSc (Hons) Computer Science

**Second class Honours (Upper Division)**

### Central College Bandarawela,

Sri Lanka

2006-2022

Primary and Secondary Education

Successfully Completed GCE Advanced Level  
Examination in Physical Science stream  
(CCS) 2021

Successfully Completed GCE Ordinary Level  
Examination (A5,B3,C1) 2018

## SKILLS

- Agile
- Time Management
- Problem Solving
- Innovative Thinking
- Entrepreneurial Leadership
- Presentation
- Creativity
- Conflict Resolution
- Team Work
- Strategic Thinking

## PROFILE

Versatile and results-driven Full-Stack Developer with a Bachelor of Science with Hons in Computer Science from Plymouth University, affiliated with NSBM Green University. Skilled in designing and developing both frontend and backend systems with a strong focus on performance, usability, and scalability. Passionate about transforming ideas into impactful digital solutions through clean architecture, intuitive interfaces, and efficient development practices. Dedicated to continuous learning, solving real-world problems, and delivering high-quality results within collaborative and fast-paced environments.

## PROJECTS

### 1. Drive Me – Smart Traffic Fine Management System (Final year project)

Individual Project | Tools: React Native (Expo), React, Node.js, Express.js, MongoDB, Python, Jupyter Notebook, Figma, GitHub

- Developed two mobile apps using React Native for drivers and police officers to manage traffic fines efficiently.
- Built a web-based admin portal with React and Tailwind CSS for managing police accounts, system settings, and reports.
- Designed intuitive and responsive UI/UX using Figma for all platforms.
- Integrated a machine learning module using Python to predict traffic violation hotspots based on historical data.
- Manually collected and digitized Sri Lankan police records to train the ML model, significantly improving prediction accuracy.
- Implemented secure user authentication, real-time fine notifications, and license management features.

### 2. Lunevia – Online Clothing Store

Individual Project | Tools: React, Tailwind CSS, Node.js, Express.js, MongoDB, GitHub

- Developed a full-stack e-commerce platform with product browsing, cart, and order management features.
- Designed responsive UI with React and Tailwind CSS. implemented backend APIs using Node.js and Express.
- Integrated MongoDB for secure product and user data storage and deployed using GitHub.

### 3. Savora Restaurant – Modern Restaurant Website

Individual Project | Tools: HTML5, CSS3, JavaScript, Ionicons, Google Fonts

- Created a responsive website showcasing Sri Lankan cuisine with menu display and reservation system.
- Designed visually rich UI with animations, parallax scrolling, and culturally inspired colors.
- Optimized for performance, accessibility, and admin across devices and browsers.

## EXPERTISE

### Technical skills

React  
React Native  
HTML  
Java Script  
CSS  
Python  
NodeJS  
C  
Tailwind CSS

### Monitoring

Figma  
Canva

### Database

MongoDB  
MySQL

### Language

English  
Sinhala

### 4.Trash Trouble – Educational Sorting Game

Individual Project | Tools: Python, Pygame

- Built a 2D game where users control a robot to sort trash into color-coded bins.
- Implemented keyboard controls, collision detection, scoring, and level progression logic.
- Created custom game UI with overlays, sound effects, and challenge-based gameplay.

### 5. Autonomous Robotic Arm and Cart for Warehouses

Team Project | Tools: Python, Dart (Flutter), Flask-SocketIO, MongoDB, Raspberry Pi 4, IR Sensors, Servo Motors

- Developed an IoT-based robotic system for automated warehouse inventory handling.
- Integrated robotic arm, line-following cart, and color sensor for autonomous pick-and-place operations.
- Built a mobile app using Flutter for real-time inventory control and shelf management.
- Used Flask-SocketIO and MongoDB for real-time data communication and cloud storage.

### 6. Bordima – Student Accommodation Finder

Team Project | Tools: Next.js, TypeScript, React, MongoDB, Prisma ORM, OpenStreetMap, Google Authentication, GitHub

- Developed a web platform for NSBM students to search, compare, and book accommodations.
- Implemented map-based search with OpenStreetMap and secure login via Google Authentication.
- Contributed to frontend development, filtering logic, listing features, and testing.

## EXTRACURRICULAR

- All Island Badminton Championship 2018  
E division Champion
- All Island Badminton Championship 2019  
D division Champion

## REFERENCE

### Ms. Hirushi Dilpriya

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