

# Oshada Nethmina Munasingha

## Software Engineer

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### PROFILE

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Motivated undergraduate Software Engineer with a strong passion for designing and developing real-world digital solutions using modern full stack technologies. Proficient in Java, Spring Boot, C#, ASP.NET Core, React, React Native, Node.js, and SQL based database systems, with hands-on experience building scalable web applications and RESTful APIs, implementing JWT based authentication, integrating AI services through OpenAI APIs. Committed to writing clean, maintainable code and continuously improving technical skills to deliver efficient, production-ready software solutions.

### EDUCATION

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**Sabaragamuwa University of Sri Lanka,** 2023 – Present ( Expected Year – 2027)  
*BSc. Honours Degree in Software Engineering* Sri Lanka

**T/Sinhala central Collage,** *GCE Advanced Level (A/L)* 2018 – 2020 | Trincomalee

### EXPERIENCE

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#### Advanced Full-Stack Development Program (Training Program)

- Completed the Advanced Full-Stack Development Diploma at ACPT, gaining practical experience in modern backend and database technologies. Developed strong skills in Java, Spring Boot, Hibernate/JPA, and MySQL along with hands on knowledge of API development, authentication, and deployment. This program enhanced my ability to build scalable, secure, and production-ready full-stack applications

### SKILLS

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#### Technical Skills

- Programming Languages : Java, C#, JavaScript, TypeScript, SQL, Python , C
- Frameworks & Libraries : SpringBoot, .ASP.NET Core Node.js, Express.js, React.js, React Native (Expo), Next.js, Redux
- Databases : MySQL, PostgreSQL, MongoDB, Hibernate
- Cloud & Deployment : AWS EC2, GitHub Actions , Docker
- Concepts & Practices : REST API , MVC architecture, JWT Authentication, OOP, Agile/Scrum, CI/CD
- AI & Automation : Generative AI integration

#### Soft Skills

- Problem-solving
- Teamwork & Collaboration
- Communication Skills
- Adaptability & Fast Learning
- Time Management
- Attention to Detail

## PROJECTS

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### **MyTurn – Smart Queue & Appointment Management System (Group Leader)** Present

Next.js | Spring Boot | PostgreSQL

- Developed a full-stack queue and appointment management system with real time tracking to reduce waiting time and improve service efficiency.
- Designed and implemented secure RESTful APIs using Spring Boot with JWT authentication, and built a responsive frontend using React.

### **ParkSwift – Smart Parking Slot Reservation System (Group)** 2024

MongoDB | Express.js | React.js | Node.js | Tailwind CSS | JWT | REST API | Cloudinary | Stripe

- Built a full-stack smart parking reservation system using the MERN stack to address urban parking challenges.
- Designed role-based dashboards for users, parking owners, and administrators. Integrated secure JWT authentication and Stripe payment gateway for safe and seamless transactions and responsive UI with React and Tailwind CSS and RESTful APIs for efficient backend communication.

### **EventBuddy – Smart Event Planning & Vendor Marketplace (Group)** 2025

React.js | Node.js | Express.js | MongoDB

- Developed a vendor-matching platform with AI-powered smart checklists, budget optimization, and secure payment integration.
- Designed role-based access and real-time vendor verification workflows for seamless event management.

### **SmartBiz - Open AI integrated ERP System (Individual)** 2025

Spring Boot | MySQL | Hibernate | React | Tailwind CSS | Open API

- SmartBiz is a system that helps small businesses manage sales, customers, and inventory, and also generates AI powered reports and posts.
- Designed with a modular full stack architecture including secure JWT authentication, Email integration, role-based access control, and scalable REST APIs for real business operations.

## VOLUNTEERING

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- **Secretary Team Member – TechTalk, SOCS, SUSL:** Coordinated event activities, supported team communications, and assisted in logistics management.
- **Organizer – GeekZone v1.0, IEEE, Sabaragamuwa University:** Assisted in planning and executing technical workshops and student competitions, ensuring smooth coordination

## REFERENCES

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**Mr. Yasindu Sathsara**, *CEO & Founder*, Hotcat Technologies, Panadura.

Email - yasindu@hotcat.lk, Phone No: +94 77 506 7538

**Mrs. WMLS Abeythunga**, *Lecturer (Probationary)*,

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