

# DINETH WICKRAMASINGHE

## SOFTWARE DEVELOPER INTERN

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### SUMMARY

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Computing undergraduate with hands-on experience in full-stack web, mobile, and IoT development. Skilled in Java, Python, React, Spring Boot, and Express.js with a solid foundation in REST APIs, databases, and machine learning. Passionate about building scalable, user-focused systems that bridge functionality and performance. Eager to contribute to collaborative engineering teams and deliver impactful software solutions.

### SKILLS

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**Frontend:** React.js, Next.js, HTML, Tailwind CSS, JavaScript

**Backend:** Java, Spring Boot, Python, Express.js, REST APIs, Fetch APIs

**Databases:** MySQL, MongoDB, Firebase Firestore

**Mobile & IoT:** Android Studio, Flutter, Arduino, ESP32

**Tools:** Git, GitHub, Postman, IntelliJ IDEA, VS Code

**Soft Skills:** Collaboration, Problem-Solving, Adaptability, Attention to Detail

### PROJECTS

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#### Hotel Management System (Full-Stack Web Application)

- Contributed to a 4-person team in developing a microservices-based hotel management system using Java/Spring Boot and React.
- Personally developed the user micro service and integrated the room booking REST APIs with the frontend.
- Technologies: Java, Spring Boot, React.js, Tailwind CSS, REST APIs

#### Personal Portfolio Web Application (Frontend Application)

- Developed a personal portfolio website to showcase projects, technical skills, and professional experience using a modern and clean UI.
- Implemented responsive layouts and smooth animations.
- Deployed the application to a cloud hosting platform.
- Technologies: React.js, Tailwind CSS, Framer Motion.

#### Bloggie Blog Post Sharing Platform (Full-Stack Web Application)

- Designed and developed a full-stack blog sharing platform with a modern, responsive UI.
- Implemented user authentication with secure JWT-based login and role-based access.
- Built RESTful APIs to manage blog posts, categories, and users enabled CRUD operations for blog content with image support
- Technologies: Next.js, JWT, TypeScript, Tailwind CSS, MongoDB

#### Smart Waste Bin & Waste Management System (IoT Product & Mobile App)

- Team Member on an IoT smart waste management system that classifies waste using computer vision.
- Personally fine-tuned the MobileNetV2 model using TensorFlow and Keras in Google Colab, optimizing it for accuracy in identifying materials like plastic and organic waste.
- Developed key features for the companion Flutter mobile app and assisted in integrating the ML model with ESP32-CAM hardware.
- Technologies: Google Colab, Flutter, Pandas, TensorFlow, scikit-learn, keras

### EDUCATION & CERTIFICATIONS

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#### BSc in Computing Part Time (In progress)

National Institute of Business Management, Colombo 07

2027

#### Diploma in Software Engineering

National Institute of Business Management, Colombo 07

2024

#### GCE A/L Mathematics Stream

Taxila Central College Horana

2021