

# VINDYA UPANANDA

Software Engineering Intern

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## ABOUT ME

Motivated final-year ICT undergraduate passionate about web development, particularly Node.js, Express, React.js, and MongoDB. Strong problem-solving skills with practical experience in academic projects. Eager to apply technical knowledge to innovative web solutions.

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## EDUCATION

2021-2025 **Bachelor of Information Communication Technology (Hons) (UG)**

Rajarata University of Sri Lanka

Mihintale

- Current GPA: 3.63
  - Data Structures & Algorithms, Design Patterns, Software Engineering, Database Management, Cloud Computing
  - Completed three group projects, two personal projects, and currently engaged in research.
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## SKILLS

### Technical Skills

- Front-End: JavaScript, React.js
- Server-Side: JavaScript, Node.js, Express.js
- Databases: MongoDB, MySQL
- Development Tools: Visual Studio Code, GitHub, Docker, Postman
- Object-Oriented Programming (OOP)

### Soft Skills

- Teamwork
  - Adaptability
  - Leadership
  - Fast Learner
  - Communication
  - Critical Thinking
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## CERTIFICATES

- **Mastering AI on AWS: Training AWS Certified AI-Practitioner, 2025**  
Udemy
- **Student Ambassadors Technical Training, 2025**  
Microsoft Learn
- **Introduction to DevOps Tools, 2025**  
Simplilearn
- **Full Stack Web Development Course, 2024**  
Skyrek Academy
- **Enterprise Software Application Development Course (Java), 2023**  
Digimax Interactive Sri Lanka
- **Programming Fundamentals, 2023**  
Coursera
- **Web Design for Beginners, 2023**  
University of Moratuwa

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## RESEARCH & PROJECTS

### **Machine Learning Models for Rice Price Prediction in Sri Lanka** (Research - In Progress)

Dec 2024 - Present

- Developing a machine learning model to predict rice prices in Sri Lanka using five key parameters: weather conditions (rainfall, temperature, radiation), exchange rates, and yield trends.
- Collecting and analyzing 5,000+ data points for more accurate predictions
- Technologies: Machine Learning, Python

### **Agriculture Transactions Management System (Individual Project)**

Sep 2024 – Mar 2025

- Developed a full-stack Agriculture Transactions Management System for farm operations, sales, investors, and resources.
- Improved efficiency by 40% compared to traditional manual paper-based processes.
- Technologies: MERN Stack

### **Hotel Management System (Individual Project)**

Nov 2024 - Feb 2025

- Developed a Hotel Management System for bookings, feedback, admin controls, and maintenance.
- Improved operational efficiency by 25%, streamlining workflows and reducing manual errors.
- Technologies: MERN Stack

### **Academic Project Management System (Group Project), (Team Leader)**

Apr 2024 - Jan 2025

- Developed a platform for report submissions, progress tracking, panel creation, grading, and result management, benefiting Registrar, Students, Staff, and Examiners.
- Led a 5-member team to build a university-wide platform
- Reduced evaluation time by 50% through automated grading and panel management.
- Benefited 500+ students and staff across the university
- Technologies: MERN Stack

### **Food Delivery Platform (Group Project)**

Jan 2023 - Apr 2024

- Developed a food delivery platform with secure authentication, real-time updates, and seamless ordering and delivery.
- Increased order conversion rates by 20% and improved user experience.
- Technologies: MERN Stack

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## REFERENCES

Ms. Udani Jayakodi  
Lecturer (Temporary)  
Department of ICT  
Faculty of Technology  
Rajarata University of Sri Lanka  
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