

Nisal Sandeep

Undergraduate

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Information Technology and Accounting Information Systems undergraduate with hands-on experience in MERN stack development, specializing in building scalable web applications using React.JS and REST APIs. Experienced in developing real-time applications, designing reusable components, and collaborating using Git-based workflows. Focused on writing clean, maintainable, and efficient code within agile development environments.

Core Competencies

- Frontend: HTML, CSS, JavaScript, React.JS
- Backend: Node.JS, Express, REST API Development
- Databases: MongoDB, MySQL
- Version Control: Git, GitHub
- Programming Languages: Java, PHP, Python, Bash
- Concepts: Reusable Components, SDLC, Object-Oriented Programming
- Cloud & DevOps: AWS, Microsoft Azure, CI/CD, Docker
- Operating Systems: Linux (Ubuntu, Debian), Windows Server

Professional Skills

- Strong analytical and problem-solving skills
- Effective verbal & written communication
- Team collaboration in agile development environments
- Adaptability to Diverse Work Environments
- Time Management
- High attention to detail and code quality
- Time Management & Multitasking

Education

Bachelor of Information Technology (GPA 3.561) 2024 - 2027

University of Colombo, Sri Lanka

BBM (Hons) Accounting Information Systems 2024 - 2028

University of Kelaniya, Sri Lanka

Work Experience

Freelance Full Stack Developer

2023 - Present

- Developed and maintained e-commerce web application and Learning Management Systems using WordPress and MERN stack.
- Modernized server infrastructure by migrating legacy systems to a virtualized environment, improving scalability and reducing hardware costs by 25%.
- Engineered high availability hosting environment utilizing Namecheap servers, achieving 99.9% website uptime and ensuring zero data loss: migrated databases and applications in under 2 hours each.

Projects

MERN Stack Real-Time Chat Application

- Developed a real-time chat application using React.JS (functional components), Node.JS, Express, and MongoDB for scalable messaging functionality.
- Built reusable UI components to improve maintainability and code efficiency
- Implemented secure JWT-based authentication and authorization
- Integrated Socket.IO for real-time bidirectional communication
- Designed and developed RESTful APIs for user management, messaging, and chat history
- Used Git and GitHub for version control and collaborative development

Professional Qualifications

Institute of Analytics | Student Member

Extracurricular Activities

FOSS Community, University of Kelaniya | Active Member

AISSA, University of Kelaniya | Active Member

Personal Information

Languages: English, Sinhala

References

Mr. Viraj Weerawickrama

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