



SACHIN JAYASINGHE

Software Engineer Intern

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From: Bandaragama, Sri Lanka

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GitHub: github.com/sachinjayasinghe

Portfolio: sachinjayasinghe.vercel.app

PROFILE

Third-year IT undergraduate specializing in full-stack development with proven experience leading cross-functional teams. Skilled in building scalable web applications from database design to user interfaces using JavaScript ecosystems. Combines technical problem-solving with leadership experience and creative design thinking to deliver user-focused solutions.

EDUCATION

University Of Moratuwa- Faculty Of Information Technology

2023 - 2027

- BSc (hons) Information Technology (Undergraduate)

Taxila Central college, Horana

2011 - 2020

- G.C.E Advanced Level - 2021
- Z-Score - 1.8652 - Combined Maths (A) , Physics (A), ICT (B)

PROJECTS

Hotel Management System (Group Project) – Restaurant POS Module

2024 - 2025

(University of Moratuwa | Second year software project | Assigned by 99x)

GitHub: [Frontend](#) | [Backend](#)

Roles : Team lead | Full Stack Developer

- Led development of restaurant POS module with category/product management and inventory tracking with stock alerts
- Built billing system with multi-payment options and automated invoice generation
- Created analytics dashboard with revenue tracking and order flow integration to kitchen module
- Coordinated cross-team development ensuring seamless communication between system departments

Tech : React.js, Node.js, Express.js, MongoDB, Git

BeeWise – Smart Beehive Monitoring System (Group Project)

2023 - 2024

(University of Moratuwa | First-year Microcontroller-based project)

Roles : IOT Developer

- Built IoT monitoring system using ESP32 with sensors tracking temperature, humidity, CO₂, and weight
- Implemented automated sugar feeding system with mini water pump for hive maintenance
- Designed complete circuit in EasyEDA ensuring reliable hardware operation and power management

Tech : Arduino, C++, ESP32, EasyEda

Role-Based Task Management System (Individual Project)

2025

Roles : Full Stack Developer

GitHub: [Frontend](#) | [Backend](#)

- Built role-based system where admins manage users, assign tasks, and track progress through filters
- Implemented JWT authentication with admin and user access levels and protected routes
- Created user dashboard for task status updates with task details view
- Developed admin dashboard for full CRUD operations on users and tasks with real-time filtering

Tech : React.js, Node.js, Express.js, MongoDB

- Built a responsive portfolio with dynamic multi-theme color system and dark/light mode toggle
- Implemented smooth animations, interactive project galleries, and custom navigation flows
- Deployed on Vercel with optimized performance and mobile-first design

Tech : React.js, CSS3, Vercel

TECHNICAL SKILLS

- **Programming Languages** - JavaScript, Python, Java, C, C++
- **Frontend Development** - React.js, Tailwind CSS, HTML5, CSS3
- **Backend Development** - Node.js, Express.js, RESTful APIs
- **Databases** - MongoDB, MySQL
- **Version Control** - Git/GitHub
- **Development Tools** - VS Code, Postman
- **Project Management Tools** - ClickUp
- **Design Tools** - Figma, Photoshop, Canva
- **Other** - GIMP, Prototyping, Wireframing, Sketching

SOFT SKILLS

- Project Management
- Teamwork & Collaboration
- Time Management

INTERESTS

- Leadership
- Critical Thinking
- Artistic Skills since childhood
- Reading Self-help books
- playing cricket
- travelling

ACHIEVEMENTS

- **FIT- CodeRush (2024)** - Participant - Organized by INTECS - University of Moratuwa
- **MoraExtreme 9.0 (2024)** - Participant - Organized by IEEE University of Moratuwa

EXTRA CURRICULAR ACTIVITIES

- **Member of Cricket Team** - Taxila Central College, University of Moratuwa
- **Junior OC Committee Member** - FIT Future Careers - 2024
- **OC Committee Member** - Road to Legacy 1.0 - 2024
- **Editorial Committee Member** - VRcade 3.0 - 2025

WORK EXPERIENCE

Freelance Graphic Designer | Self-Employed

2023 - 2024

- Designed 50+ marketing materials for local businesses including posters, social media graphics, and branding materials
- Clients included tuition centers and small businesses in Bandaragama area

REFERENCES

Ms. Roshani Wijesuriya
Lecturer ,Faculty of IT University of Moratuwa.
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Mr. Sandun Isuru Niraj
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