



# SACHIN JAYASINGHE

Software Engineer Intern

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Portfolio: [sachinjayasinghe.vercel.app](#)

## PROFILE

Proactive IT undergraduate with a focus on full-stack development using the MERN stack. Skilled in designing end-to-end systems, integrating frontend and backend components, and building user-friendly solutions. Passionate about solving real-world problems, working effectively in teams, and continuously learning to deliver impactful software.

## EDUCATION

**University Of Moratuwa- Faculty Of Information Technology** 2023 - 2027

- BSc (hons) Information Technology (Undergraduate)

**Taxila Central college, Horana** 2011 - 2020

- G.C.E Advance 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, CO<sub>2</sub>, 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** - Java, JavaScript, Python, C
- **Frontend Development** - React.js, Tailwind CSS
- **Backend Development** - Node.js, Express.js
- **Databases** - MongoDB, MYSQL
- **Version Control** - Git, GitHub
- **Development Tools** - Visual Studio, VS Code, Postman
- **Project Management Tools** - ClickUp
- **Design Tools** - Figma, Photoshop, Canva
- **AI Models** - GPT-4.1, Claude Sonnet 4
- **Other** - Postman, GIMP, Prototyping, Wireframing, Sketching

## SOFT SKILLS

- Project Management
- Teamwork & Collaboration
- Time Management

- Leadership
- Critical Thinking
- Artistic Skills since childhood

## INTERESTS

- 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 marketing posters for tuition services

## REFERENCES

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