SACHIN JAYASINGHE

Software Engineer Intern

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From: Bandaragama, Sri Lanka

LinkedIn: in/sachin-jay

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

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

- Led 5-member team developing Restaurant POS module integrated across 5 hotel departments with 15+ RESTful API endpoints
- Built inventory system tracking 100+ menu items with automated stock alerts and category organization
- Implemented billing with 3 payment methods (cash/card/hotel-guest) and automated invoicing
- Created analytics dashboard with revenue tracking, date filters, and top-selling items analysis

BeeWise – Smart Beehive Monitoring System (Group Project) 2023 - 2024
(University of Moratuwa │ First-year Microcontroller-based project)

Roles : IOT Developer

Tech : Arduino, C++, ESP32, EasyEda

- Built IoT monitoring system using ESP32 with 4 sensors tracking temperature, humidity, CO_2, 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

Role-Based Task Management System (Individual Project) 2025
  GitHub: Frontend | Backend

Roles : Full Stack Developer

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

- Built task management with JWT authentication for 2 roles (admin/user) across 8+ protected routes
- Developed admin dashboard with CRUD operations for users, tasks, and role-based assignments
- Created user dashboard with real-time filtering across 3 task statuses (pending/in-progress/completed)
- Designed MongoDB schema with 3 collections and 12+ responsive React components in Tailwind CSS

Portfolio Website   **2026**
Roles : Full Stack Developer   GitHub: <u>Repository</u>
Tech : React.js, CSS3, Vercel

- Built responsive portfolio with dynamic multi-theme color system (6 themes) and dark/light mode toggle with persistent storage
- Created project gallery showcasing 4 full-stack projects with live demos, GitHub links, and mobile-first responsive layout supporting 3+ device breakpoints (mobile/tablet/desktop)
- Deployed on Vercel with optimized performance, automated CI/CD, smooth animations, and custom navigation

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
- Leadership
- Critical Thinking
- Artistic Skills since childhood

INTERESTS

- Reading Self-help books
- Playing cricket
- Creative design

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

WORK EXPERIENCE

Freelance Graphic Designer | Self-Employed   **2022 - 2023**

- 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
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