SACHIN JAYASINGHE

Software Engineer Intern

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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)

Developed the restaurant POS module within a multi-department hotel management system using the MERN stack. Built features for category and product management, inventory tracking with stock alerts, billing, and invoice generation. Integrated multi-payment options and created a dashboard with revenue analytics and order flow to the kitchen module. Supported cross-team development and ensured seamless communication with other system departments.

- **Roles** : Team lead │ Full Stack Developer
- **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)

Built an IoT-based beehive monitoring system using ESP32 with sensors to track temperature, humidity, CO_2 levels, and hive weight. Added automation features such as sugar-feeding notifications and hive age tracking to support hive productivity. Developed a web interface and LCD display for real-time monitoring, alerts, and remote access.

- **Roles** : IOT Developer
- **Tech** : Arduino, C++, ESP32, EasyEda

Role-Based Task Management System (Individual Project)   **2025**

Building a role-based task management system where admins manage users, assign tasks, edit/delete entries, and track progress through filters and task statuses. Users can sign up or log in, view assigned tasks, update progress from Todo to Done, and access task details for clarity. The system supports smooth collaboration and clear project tracking.

- **Roles** : Full Stack Developer
- **Tech** : React.js, Node.js, Express.js, MongoDB

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

Mrs. M. B. Mufitha (MPhil/UM, Malaysia, BBA/Colombo, SL, Dip: in counselling/ USJP, SL)
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