BAVINDU SHAMEN DE SILVA

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Summary

3rd-year BSc (Hons) Information System student at UCSC (**GPA 3.8015, Rank: 1st**) with hands-on experience in full-stack development using **React, Node.js, Spring Boot, and PostgreSQL**. Strong foundation in **Java, Python**, and software engineering principles. Seeking to apply full-stack development skills and problem-solving abilities in a software engineering internship while contributing to scalable solutions and modern development practices.

Technical Skills

Languages: Java, JavaScript, SQL, Python, C, C#, PHP, HTML/CSS

Frameworks: React, Spring Boot, Django, JavaFX, Unity

Databases/Tools: PostgreSQL, MySQL, Git/GitHub, Postman, Linux, Figma

Software Engineering: Data Structures & Algorithms, OOP , Design Patterns , Version Control (Git),

Currently Learning: Spring Boot (advanced), Node.js, AWS Cloud Services ,Unit Testing (JUnit/PyTest)

Experience

Digital Assistant — Intern **Oct 2022 – May 2023**
Commercial Bank of Ceylon *Galle, Sri Lanka*

- Gained exposure to **enterprise workflows**, teamwork, hierarchy, and professional communication in a large financial organization
- Collaborated across teams; adhered to structured processes and **documentation standards**

Education

BSc (Hons) in Information Systems **2023 – 2027 (expected)**
University of Colombo School of Computing (UCSC) *Colombo, Sri Lanka*

- **GPA: 3.8015/ 4 | Rank: 1st**
- Relevant coursework: Data Structures & Algorithms, OOP, Web Development, Software Engineering, HCI/UX, Networks, Game Development

G.C.E. Advanced Level **2019 – 2022**
Mahinda College *Galle, Sri Lanka*

- Subjects: Physics — B, Mathematics — B, Chemistry — B | Z-score: 1.355 (Index: 5919983)

Projects

PillPath - Pharmacy Customer Engagement Platform | *React, Spring Boot, REST, PostgreSQL* **2025 — Ongoing**

- Built **responsive React UI** for prescription uploads, nearby pharmacy discovery (map), family medication management, and OTC storefront
- Implemented **auth/registration**, themed customer UI with **React Router** navigation, global state via **Context API**, and robust form validation
- Developed **REST endpoints** and a layered back end (controller/service/repo) with **JPA & PostgreSQL**; designed relational schema, indexes, and seed workflows
- **Role:** Project manager/team lead + full stack; built registration, pharmacy map homepage, customer themes, backend init/auth, and pharmacy mapping
- **Links:** Frontend | Backend

Yummy2You - Recipe Sharing Platform | *React, Node.js, Express, MongoDB, JWT* **2025-Ongoing**

- Full-stack web application with **JWT authentication**, image uploads, and content-based recipe recommendations
- Implemented **real-time search** with live suggestions, **optimistic UI updates** for likes, and responsive design with Tailwind CSS
- Developed **content-based recommendation system** using ingredient normalization, category/tag matching, and popularity weighting
- Built **RESTful API** with CRUD operations, user ownership checks, view tracking, and favorite recipes functionality
- Created **data normalization scripts** for ingredient processing and backfilled existing recipes for improved search accuracy
- **Features:** Multi-image upload with preview, dynamic ingredient forms, protected routes, and MongoDB aggregation pipelines
- **Link:** Repository

Tailor2You - Tailor Customer Engagement Platform | *PHP, JavaScript, MySQL, HTML/CSS* **2024**

- **End-to-end** custom apparel ordering with design/customization and payments; tailor portal for orders, fabrics, staff, and order lifecycle
- Responsive UI with client/server validation; improved queries via **SQL indexing** and added search/filtering for orders and fabrics
- **Role:** Project manager/team lead + full stack; implemented registration, full tailor management UI+backend, order workflow, and payment handling
- **Link:** Repository

Blog Posting Website | *Django, HTML/CSS* **2025**

- Simple **CRUD** blog with authentication, template-based views, and clean URL routing; demonstrates Django fundamentals
- **Link:** Repository

Deja Tomb - 3D Adventure Game | *Unity, C#* **2025**

- 3D platformer with obstacles, key collection, and a boss fight with AI NPC; scripxed core gameplay interactions and effects
- **Link:** Repository

Achievements & Certifications

Academic Excellence: Dean's/Director's List — Year 1 (T1, T2), Year 2 (T1, T2)

Competitions / Tinkerer: ReidXtreme, Idealize (participant); personal projects on GitHub

Certifications: Django with Real-World Projects (Udemy), Java Programming Certificate (HackerRank)

Volunteering

Coordinating Secretary (Drama) **2025**
Abina (Dance & Drama Circle) — University club *UCSC*

Organizing Committee **2025**
EXE 2025 Game Jam — LevelStair

References

Dr. Enosha Hettiarachchi — Senior Lecturer,
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