Ifaz Ikram

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PERSONAL STATEMENT

Computer Science and Engineering undergraduate at the University of Moratuwa with a strong interest in full-stack development, backend systems, and scalable software design. I have hands-on experience building production-oriented systems using Kotlin Multiplatform, modern web technologies, and cloud-based backends, with a focus on performance, security, and maintainable architecture. Actively involved in competitive programming, hackathons, and departmental leadership, I enjoy working in high-pressure team environments and translating theoretical concepts into practical, real-world solutions. .

EDUCATION

University of Moratuwa   Mar 2024 – Present
BSc Eng Hons in Computer Science and Engineering   *Moratuwa, Colombo*
Registration Number: 230253H | **CGPA: 3.60 / 4.00**
Dean's List – Semester 1 (SGPA: 3.94)

Richmond College   July 2020 – Jan 2023
High School (Secondary Education)   *Galle*
G.C.E Advanced Level Examination (Jan 2023): Combined Mathematics, Physics, Chemistry – 3A's
Z-Score: 2.3803 | District Rank: 43 | Island Rank: 354

St. Aloysius College   Dec 2008 – July 2020
High School (Secondary Education)   *Galle*
G.C.E Ordinary Level Examination (Dec 2019): 9A's (including English Literature, Tamil, ICT)

EXPERIENCE

Marketing & Finance Manager & Full Stack Engineer   Sep 2025 – Present
Rexosphere (Part-time)
- Supporting marketing and financial strategy initiatives while contributing to full-stack development tasks.
- Involved in sponsorship outreach, branding, and technical implementation across ongoing projects.

PROJECTS

LeoConnect (Social Networking Platform)   2025

- Engineered core backend API using **Cloudflare Workers** and **D1 Database**, handling auth and R2 storage.
- Implemented optimistic UI updates for comment interactions on the Android client (**Kotlin Multiplatform**).
- Contributed 4,500+ lines of TypeScript code, optimizing database migrations and input validation.

Money-Splitter (Expense Management App)   2025

- Spearheaded a comprehensive UI overhaul for a **Kotlin Multiplatform** app, designing a 3-step onboarding flow.
- Implemented complex undo functionality and progressive forms, changing 48 files with 7,300+ lines of code.

SkyNest Hotel Management System 2025

- Developed reservation workflows and guest service management features using **JavaScript** and **PLpgSQL**.
- Architected REST APIs and database schemas with 60+ commits to the project repository.

Nano - Processor Simulation Project Ongoing
Tools: Xilinx Vivado, VHDL, Assembly Language
- Designed and simulated a custom 4-bit Nano Processor using **VHDL**.
- Implemented core CPU functionalities including arithmetic units, bitwise operations, and control flow.

HONORS & AWARDS

4th Runner-Up – ICPC Sri Lanka 2025/26 2026
Team Velosphere – Qualified for ICPC Asia West Championship (Mathura, India)

Champion – BashAway 2025 2025
Team Velosphere – SLIIT FOSS (Scripting & Automation Competition)

Champion – AlgoArena 2025 (LeoConnect) 2025
Leo Club of University of Sri Jayewardenepura

Champion – HaXtreme 4.0 2025
Team Velosphere – IEEE Student Branch, University of Ruhuna

1st Runners Up – J'pura Xtreme 2.0 2025
Team Velosphere – University of Sri Jayewardenepura (24-hour coding competition)

Finalist – SLIIT Xtreme 4.0 2025
Team Velosphere – Topped the HackerRank leaderboard in the onsite final round

TECHNICAL SKILLS

- **Languages:** Kotlin, JavaScript, TypeScript, Python, Java, C++, VHDL, SQL
- **Frameworks/Platforms:** Kotlin Multiplatform, Jetpack Compose, Cloudflare Workers, Ktor
- **Developer Tools:** VS Code, IntelliJ IDEA, Git, GitHub

INTERPERSONAL SKILLS

- Communication | Leadership | Analytical Thinking | Adaptability

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

Department Representative (Semester 2 & 3) 2025 – 2026
Department of CSE, University of Moratuwa
Representing Batch '23, bridging communication between students and the department.

Program Committee Member – CSE Hit the Grounds 2026
Department of CSE, University of Moratuwa
Played a key role in planning and on-ground coordination, contributing to the smooth flow and successful execution of the programme.

Main Coordinator (CSE23) – CSE Careers Fair 2026 2026

Department of CSE, University of Moratuwa
Served as the main coordinator for the department's flagship careers event, overseeing company co-ordination, logistics handling, and refreshments management. This role involved close collaboration with industry partners, students, and organizing teams to ensure smooth execution and effective industry–academia engagement.

Finance Committee Lead – IESL RoboGames 25/26   2025 – Present
Department of CSE, University of Moratuwa (with IESL & SLT-Mobitel)

Finance Committee Member – SLIoT Challenge 2026   2025 – Present
Department of CSE, University of Moratuwa (with SLT-MOBITEL & IESL)

Finance Committee Member – ENIGMA 2025   Sep 2025
CSE Student Society, University of Moratuwa
Worked on sponsorship outreach and helped secure platinum sponsorship.

Finance Committee Member   Sep 2025 – Present
CSE Student Society (Seasonal)

Organizing Committee (Logistics) – ADSCAI 2025   2025
University of Moratuwa
Coordinated logistics and delegate handling for the AI & Data Science conference.

Majlis - Ul - Islam   2024 – Present
Executive Member – University of Moratuwa

Muslim Majlis   2018 – 2020
Held Editor, Co-Ordinator, Member Positions – St. Aloysius College, Galle

Prefect Board   2018 – 2019
Junior Prefect – St. Aloysius College, Galle

Toastmasters Club   2018
Member – St. Aloysius College, Galle

Chess Player   2015 – 2016
Member of Chess Team – St. Aloysius College, Galle