

# OBULA SARAVANAKUMAR SAHISHNU KUMAAR

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## EDUCATION

**National University of Singapore**

**Aug 2024 – Present**

**Bachelor of Computing (Computer Science), Honours**

- Minor in Economics | GPA: 4.88 / 5.00 | Dean's List (AY24/25 Semester 2, AY25/26 Semester 1)
- Ranked **Top 10 students** out of 611 in CS2103T – Software Engineering
- Relevant Coursework: Software Engineering (A+), Data Structures & Algorithms (A), Computer Organisation (A+), Probability & Statistics (A)

## TECHNICAL SKILLS

- Programming Languages: Java, TypeScript, JavaScript, Go, Python, C
- Web Technologies: React, HTML, CSS
- Backend & Databases: PostgreSQL (Supabase), RESTful APIs
- Frameworks & Libraries: JavaFX, JUnit, Material UI (MUI)
- Tools & Platforms: Git, GitHub, Visual Studio Code, IntelliJ IDEA, Render, Vercel

## PROJECTS

**ChronoPanthers – Productivity Desktop App (Java, JavaFX)**

**May 2025 – Aug 2025**

- Developed a desktop productivity app combining a Pomodoro timer, task management, and AI-assisted study suggestions, helping users structure study and work sessions efficiently.
- Designed a responsive JavaFX interface with visual charts to track productivity patterns and task completion, making it easy for users to monitor progress.
- Integrated Supabase for cloud storage, ensuring tasks and session data persist across multiple uses.

**LambdaLab – Teaching Assistant Management App (Java, JavaFX)**

**Sep 2025 – Nov 2025**

- Developed a desktop app that enabled teaching assistants to manage student records, attendance, and progress efficiently, reducing time spent on manual tracking.
- Implemented data validation, sorting logic, and automated tests achieving 75% code coverage, improving reliability and minimizing errors in student records.
- Designed features that allowed TAs to quickly monitor student progress, supporting timely interventions and better teaching outcomes.

**Discussion Forum – Web Application (Go, PostgreSQL, React)**

**Dec 2025 – Jan 2025**

- Developed a full-stack discussion platform that enabled users to create and participate in topic-based threads, facilitating collaboration and knowledge sharing.
- Engineered backend services in Go with PostgreSQL and RESTful APIs, supporting user authentication and persistent data storage, ensuring discussions remain secure and retrievable.
- Built a React front-end with intuitive navigation and topic filters, enabling users to quickly find relevant discussions and actively participate.

## TEACHING EXPERIENCE

**National University of Singapore**

**Teaching Assistant – CS2030S Programming Methodology II**

**Jan 2025 – Present**

- Conduct weekly lab sessions for 30 students, teaching Java, OOP, and functional interfaces.
- Grade and provide feedback on student exercises, guiding them to apply clean, object-oriented design principles.

## WORK EXPERIENCE

**SAF, HQ 9 Div/Inf G2 Branch ASA**

**July 2022 – May 2024**

- Led administrative operations and coordinated inter-departmental workflows, demonstrating strong organization and leadership skills.
- Streamlined data tracking and reporting using Microsoft Excel to improve efficiency.