RAEEDA IBNAT HOSSAIN

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EDUCATION

National University of Singapore (NUS)   **Jan 2023 - Dec 2027**
Bachelor of Computing in Computer Science | Algorithms and Theory & Artificial Intelligence
- Minor: Entrepreneurship
- NUS College Honours Programme

Raffles Institution   **Jan 2021 - Dec 2022**
Raffles Integrated Programme | Singapore-Cambridge GCE A' Level
- H2 Physics, H2 Chemistry, H2 Mathematics, H2 History, H1 Bengali, H1 General Paper

TECHNICAL SKILLS

- Full-Stack Development (React, Vue.js, Next.js)
- Web Development (HTML, CSS, JavaScript)
- Mobile Application Development (Expo, React Native)
- Machine Learning Foundations
- Programming Languages (Java, Python, JavaScript, C, SQL, R)

EXPERIENCE

Personal Assistant for Senior Officer, Prudential Assurance Company   **Mar 2024 - Jun 2024**
- Conducted daily cold calls, maintaining a 70% success rate in securing client meetings.
- Managed client relations and administrative records for over 500 high-value customers.
- Streamlined appointment scheduling and follow-ups, increasing client retention by 25%.

Administrative Staff, Dr Leo Adult & Paediatric Eye Specialist   **Feb 2022 - Apr 2022**
- Managed client relations and front-desk operations for over 60 unique patients daily.
- Maintained and organized up to 200 patient files and medical documents per day.

Social Media Manager, The Wild Side   **Jun 2017 - Dec 2020**
- Curated a cohesive identity for TWS's Instagram, driving a 170% increase in engagement over 3 years.
- Organized and led annual Earth Day events, engaging 1,600+ students in conservation activities.

PROJECTS

Full-Stack Developer, Viktor Chatbot   **Jan 2025 - Present**
- Created a task management chatbot, featuring persistent storage, language parsing for different commands, and an interactive graphical interface, improving efficiency by an estimated 60%.
- Engineered a robust file-handling system to ensure data integrity, reducing data loss incidents to zero.

Full-Stack Developer, Flowering   **Dec 2025 - Present**
- Developed a dynamic single-page Vue application integrating a Pomodoro timer and advanced productivity analytics, improving user time management by an estimated 75%.
- Provided real-time insights, leading to a 40% improvement in user goal adherence from 5 test users.

Full-Stack Developer, Sol-Mate: Algorithm-based Matchmaking   **May 2024 - Jul 2024**
- Developed a mobile application for users to find project partners, using React and Firebase, achieving a compatible pairing 87% of the time for automated test users, through a custom similarity algorithm.

EXTRACURRICULAR & LEADERSHIP EXPERIENCE

Freshman Orientation Projects Director, NUS Students' Computing Club   **Sep 2023 - Aug 2024**
- Spearheaded the planning and execution of three large-scale orientation camps, for 1,200 freshmen.
- Supervised a 100-member subcommittee to deliver a seamless orientation experience.
- Managed a $150,000 budget, for optimal resource allocation over the course of a year.

Vice-Chairperson, Red Cross Youth Chapter   **Jun 2021 - Jul 2022**
- Organized over 50 weekly training sessions aligned with Red Cross Youth's universal mission.
- Led a 33% increase in prospective member recruitment through strategic online initiatives.

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ABOUT ME

I am a curious and impact-driven individual who thrives at the intersection of problem-solving, innovation, and human connection. As a Computer Science student at the National University of Singapore, specializing in Algorithms & Theory, as well as Artificial Intelligence, I have developed a strong technical foundation while fostering a deep passion for community engagement and leadership. My background in full-stack development and collaborative project-building has shaped me into someone who places equal value upon both technical excellence and real-world application.

From a young age, I have been drawn to the challenge of answering the endless 'hows' and 'whys' that fuel my curiosity for mathematics and problem-solving. However, what excites me most is tackling these challenges alongside like-minded individuals, discussing new ideas, iterating on solutions, and constantly pushing the boundaries of what we can build. Beyond work and academics, I find peace in volunteering, regular exercise, and deliberate self-reflection, which help me stay grounded and aligned with my long-term aspirations of creating positive change in the world.

WORK EXPERIENCE

As a Personal Assistant to a Senior Financial Consultant at Prudential, I operated in a high-stakes, client-facing environment, where I had to manage multiple client relationships and ensure consistent, productive communication. With my mentor having just achieved the Million Dollar Round Table designation, performance expectations were high, pushing me to refine my ability to adapt quickly and stay organized under pressure. Similarly, another role at Dr Leo Adult & Paediatric Eye Specialist reinforced the importance of accuracy under pressure as I balanced service quality with empathetic communication.

Beyond corporate and healthcare settings, I have also taken on leadership roles in various community initiatives. Whether leading a 100-member team as Freshman Orientation Projects Director or optimizing operational efficiency at Prudential, I have honed my ability to adapt quickly, work well with others, and deliver results under high-stakes conditions.

HOW CAN I CONTRIBUTE

I bring to the table a blend of technical expertise, analytical problem-solving, and an innate appreciation for collaboration. My experience in full-stack development and algorithm-driven solutions enables me to tackle challenges with a holistic perspective, ensuring that solutions are not only functional but also scalable and user-centric.

My approach to software development is iterative and detail-oriented, which demonstrates my ability to consider both the big picture as well as minute details at once. This is exemplified through my work on Viktor Chatbot, where I continuously refined features, improved system efficiency, and optimized user interactions.

Beyond technical contributions, I believe deeply in the power of effective communication within teams. My natural extroversion and clarity in conversation allow me to navigate discussions, align stakeholders, and foster a culture of open collaboration and constructive feedback.

CLOSING THOUGHTS

At my core, I am someone who seeks to contribute meaningfully—whether through adaptive problem-solving, technical execution, or team-oriented collaboration. I approach every opportunity with intentionality, clarity, and a steadfast commitment to excellence, embracing feedback and growth as key drivers of progress. My goal is always to create enduring value, and I look forward to opportunities that allow me to apply my skills in impactful and innovative ways.