Rishi Singla

647-625-0531 | Rs.Rishi.Singla@gmail.com | linkedin.com/in/rs-rishi-singla/ | Rishisingla.me

SUMMARY

Aspiring software engineer passionate about front-end and back-end development and problem-solving. Proficient in SQL, Java, Python, and Golang, with hands-on experience in full-stack development, database management, and Android app creation. Seeking opportunities to leverage technical skills to contribute to innovative tech solutions.

EDUCATION

Honours Bachelor of Science with Major in Computer Science September 2022 – Present
University of Ottawa (GPA: 3.3) *Ottawa, ON*
- Enrolled in Computer Science, Computer Engineering, Software Engineering and Entrepreneurial courses
- Attained a 4.0 GPA in Introduction to Computing, Software Engineering and Programming Paradigms

EXPERIENCE

Junior Analyst January 2025 – Present
ISED, Government of Canada *Ottawa, ON*
- Conducted **user experience research** and **design analysis** through heuristic analysis
- Facilitated **usability testing** and design walkthroughs to **enhance** user interfaces
- Applied **scrum agile methodology** for iterative design and development
- Collaborated with teams to create **WCAG 2.2 AA** standard compliant interfaces using **Figma** and **HTML**

STEM Director May 2023 – January 2024
City of Brampton *Brampton, ON*
- **Strategically planned, organized** and **executed** engaging programs, improving participant retention by **15%**
- **Led** a team in developing and delivering STEM programs that engaged over **100** participants
- **Maintained** compliance with safety protocols, achieving a **100%** safety record during the program

Camp Leader June 2022 – September 2022
City of Brampton *Brampton, ON*
- **Organized** and delivered safe and engaging activities for over **250** participants, ensuring high satisfaction
- Provided a high level of front-line **customer service**, consistently receiving positive feedback for communication and engagement
- Completed **administrative** tasks efficiently, including incident reports and daily attendance tracking

PROJECTS

Hotel Booking Web Application | *HTML/CSS, Java, SQL, PostgreSQL* January 2024 – March 2024
- **Designed** a dynamic hotel booking web application integrated with a **PostgreSQL database**
- **Developed** a robust and optimized **PostgreSQL database** to support complex queries, reducing data retrieval time by **20%**
- **Implemented** distinct user interfaces for customers and administrators, enhancing user experience and administrative control

Cycling Application | *Android Studio, Firebase* September 2023 – November 2023
- **Developed** an Android cycling application integrated with **Firebase** for real-time data storage and synchronization
- **Implemented** encrypted user authentication, enhancing security by **15%**
- **Conducted** rigorous testing, resulting in a **25%** improvement in performance and user experience

Personal Website | *HTML/CSS, Github* January 2023 – February 2023
- **Designed** a full-stack personal website using **HTML** and **CSS** showcasing projects and experiences
- **Integrated** GitHub OAuth for seamless authentication and to manage a custom domain name
- Successfully deployed the site, ensuring **99%** uptime and smooth functionality

TECHNICAL SKILLS

Programming Languages: SQL, Java, Python, C/C++, HTML/CSS, Golang, Scheme, Racket
Developer Tools: PostgreSQL, Github, Visual Studio, Eclipse, Figma, Tinkercad