# SARAH HUSSAIN

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https://sarah-hussain-portfolio.vercel.app | https://github.com/Sarah06102

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## EDUCATION

**University of Waterloo**                                                                                                                                                    **2029**
*Candidate for Bachelor of Applied Science, Honours Management Engineering*
- Recipient of the University of Waterloo President's Scholarship
- **Relevant Coursework:** Algorithms and Data Structures, Introduction to Computer Programming, Management Engineering Concepts

## WORK EXPERIENCE

**teaBOT (YC S15),** *Remote*
*Software Engineer, backend*                                                                                                                        August 2025 - Present
- Migrate backend services from AWS Elastic Beanstalk to AWS Lambda and API Gateway to improve scalability and reduce infrastructure costs.
- Refactor code into modular, event-driven functions and design secure RESTful APIs for seamless client integrations.
- Automate deployments with CI/CD pipelines and enhance monitoring using CloudWatch for greater reliability.

**Westonview Partners,** *Remote*
*M&A Analyst*                                                                                                                                                                 Summer 2025
- Conducted industry research and profiled acquisition targets using Excel and databases to support deal sourcing, outreach, and preliminary financial analysis.
- Analyzed key business metrics and market trends to assess attractiveness of targets and inform investment decisions.
- Supported due diligence by gathering and reviewing company information, analyzing performance data, and summarizing findings for advisory discussions.

**Shomingo,** *Remote*
*Product Manager Intern*                                                                                                                          August 2024 - December 2024
- Collaborated with an 8-person cross-functional team across engineering, design, and marketing to develop and launch a B2C mobile app and Chrome extension.
- Enabled shoppers to save products across their favorite online stores and share them for feedback.
- Worked under the mentorship of a Senior Product Manager to drive product development from 0 to 250 MAUs in 2 months.

**Ambitious Labs,** *Remote*
*Data Analytics Intern*                                                                                                                                               Summer 2024
- Increased reporting efficiency by 35% by using SQL & Tableau to create data visualizations on key performance metrics and performance measures for Ambitious Lab's core education product, LabDash.

**Arcadis***, Vancouver, BC*
*Intern*                                                                                                                                                                        August 2023
- Supported the Lead Architect by documenting action items during team and leadership meetings and sharing that with the broader team.

**Royal Bank of Canada (RBC),** *Remote*
*Cohort Member, Code Crunch Program*                                                                                                                          July 2022
- Engineered a website using HTML/CSS while being enrolled in a highly intensive programming boot camp.
- Built a Password Generator & Madlib Generator leveraging Python.
- Learned the fundamentals of Game Development & Applications through Scratch.

**The Tutoring Château,** *Burnaby, BC*
*Social Media Coordinator*                                                                                                           October 2020 - September 2021
- Responsible for setting up content calendars and weekly agendas for social media posts while responding to customer inquiries regarding the organization's services.
- Proofread weekly outreach materials to ensure they were written effectively to convey desired message.

## PROJECTS

**EdgeBet - Sports Betting Mobile App** | *React Native, TypeScript, Node.js, Express.js, MongoDB*
- Built and shipped a sports betting mobile app using the MERN stack and TypeScript.
- Implemented a custom authentication flow using JWT, Twilio OTP verification, and secure session handling.
- Designed user interfaces with React Native and managed real-time data flows between MongoDB and Node.js backend to ensure smooth betting experiences.

**TravelBuddy - Trip Planner and Budget Tracker** | *React, Django, JavaScript, Node.js, Express.js, RESTful API, MongoDB*
- Built a responsive travel planner to manage trip details, budgets, and expenses with an intuitive interface
- Designed a dynamic budget dashboard with real-time progress tracking, interactive charts, and inline expense editing
- Implemented a Node.js + Express backend with MongoDB to persist trip data and enable real-time budget updates

**MyPassVault - Password Generator and Manager** | *React, React Native, TypeScript, Django RESTful API, PostgreSQL*
- Developed a full-stack app to securely generate, store, and manage passwords and notes across web and mobile
- Implemented customizable password options and a secure dashboard with edit, copy, and strength-check features

**TrackMyApps - Job Tracker Chrome Extension** | *HTML, JavaScript, CSS, Firebase, React*
- Built a Chrome extension to save and organize job listings from LinkedIn and other boards with one click
- Included job status tracking (e.g., Applied, Interview), a React dashboard with Firebase auth and Firestore database

## VOLUNTEERING & LEADERSHIP EXPERIENCE

**Simon Fraser University,** *Burnaby, BC*
*Summer Camps Counsellor*                                                                                                                                  August 2023
- Responsible for supervising 30+ campers and helping out with various tasks such as leading activities and communicating with campers consistently to ensure they are safe and healthy.
- Organized and led a variety of recreational games for campers that resulted in positive feedback given to SFU from student's parents.

## SKILLS & INTERESTS

**Languages & Databases:** TypeScript, JavaScript, Python (Django), SQL (PostgreSQL, SQLite), MongoDB, HTML, CSS, VBA
**Frameworks & Tools:** React, React Native, Node.js, Express.js, Django, Tailwind CSS, Firebase, AWS, Git, VS Code, Figma, Vercel, Railway, Render
**Analytics & Productivity:** Power BI, Tableau, Microsoft Office (Word, Excel, PowerPoint)
**Other:** RESTful API Development, API Integration, Problem Solving, Time Management, Adaptability, Cross-Functional Collaboration
**Interests:** Product Management, Fullstack Development, AI in Everyday Tools, Travel, Technology in Business