

SARAH HUSSAIN

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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, Probability and Statistics

WORK EXPERIENCE

MissionPerform, Mississauga, Ontario

Software Engineer

January 2026 - Present

- Drive development of high-impact features for a mobile-first React Native + MERN platform, collaborating with executive leadership.
- Enhance backend functionality by refining existing Node.js API endpoints to support new features.
- Influence product and technical decisions through close collaboration with the CTO in an early-stage startup setting.

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.

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

TECHNICAL SKILLS & INTERESTS

Languages & Databases: TypeScript, JavaScript, Python (Django), SQL (PostgreSQL, SQLite), MongoDB, HTML, CSS, VBA, R, NumPy, Java

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), Matplotlib

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