# Ashu Chauhan

Canadian Citizen

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## EDUCATION

| **BSc - Computer Science** | **Brock University** | **2025** |
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- **Certificates:** Meta Front-End Developer, Meta JavaScript Programming, Meta Version Control

## SKILLS

- **Languages:** Java, Python, JavaScript, TypeScript, SQL
- **Frameworks/Libraries:** React, Spring Boot, Next.js, Node.js, TailwindCSS, Swing, Flutter
- **Developer Tools:** Git, GitHub, IntelliJ, VS Code, Cursor, CLI, Jira

## EXPERIENCE

| **Pro Shop Team Lead** | **Grand Niagara Golf Club** | **Apr 2023 - Present** |
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- Automated manual membership pass lookup process by building and deploying a Java/Swing desktop tool to streamline customer check-in process.
- Diagnosed and resolved IT issues such as optimizing printer configurations facility-wide to reduce waste and improve operational efficiency.
- Lead daily POS operations (150+ transactions/day), enhancing procedures to contribute to a 25% reduction in discrepancies.

| **IT Support Technician (Intern)** | **Government of Canada - SSC** | **Sep 2022 - Dec 2022** |
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- Executed systematic weekly infrastructure health checks on critical servers, identifying potential issues to contribute to nation-wide service stability and outage prevention.
- Performed routine back-end server maintenance tasks (e.g., monitoring, updates) contributing to the achievement of high system availability.
- Collaborated with large-scale technology vendors in weekly meetings to align on technical requirements and escalate critical support issues.

## PROJECTS

| **Golf Handicap Tracker** | **Java / Spring Boot / React** | **2025** |
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- Engineered a RESTful Spring Boot API for golf handicap tracking using official scoring differential logic, with persistent file-based caching and offline-first support.
- Integrated a lightweight React + Vite frontend to display handicap and submit new rounds, connected via REST endpoints.
- Enabled persistent file-based data storage and cache invalidation for reliable offline-first use across server restarts.

| **Consistify** | **Flutter** | **2025** |
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- Developed a mobile app for users to build consistency with healthy habits through social pressures and community incentives such as points tracking.
- Designed a points system to introduce competition among users within your community in order to incentivize users to stay committed to consistent habit formation.
- Leveraged Gemini and Claude LLMs within Cursor to generate UI components, validate logic, and accelerate development cycles.

| **CourseMix** | **Next.js / React / TypeScript** | **2025** |
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- Built and deployed a full-stack academic planning platform for Brock University students, reaching 25+ users.
- Engineered backend algorithms to support personalized course recommendations, graduation timeline projections, and secure, encrypted grade storage.
- Automated the ingestion of academic program data into a Postgres database using Python scripts.
- Built encrypted grade storage and intelligent course pathing logic using TypeScript and Postgres, deployed on Vercel with full CI/CD pipeline.