

# Ashu Chauhan

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## EDUCATION

### Brock University

*Bachelor of Science in Computer Science*

St. Catharines, Ontario

2025

## EXPERIENCE

### Pro Shop Team Lead

*Grand Niagara GC*

April. 2023 – Present

*Port Robinson, ON*

- 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.

### Information Technology Support Technician (Intern)

Sep. 2022 – Dec. 2022

*Shared Services Canada*

*Ottawa, ON*

- 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.
- Contributed to the management and support of over 100,000 mobile devices across federal branches using Mobile Device Management (MDM) solutions, minimizing potential downtime.

## PROJECTS

### Astro AutoTapper | Kotlin, Java

2025

- Developed a sophisticated automation Android app using Kotlin and AI models with MVVM architecture, implementing View-Models, Repositories, and StateFlow for reactive state management and clean separation of concerns.
- Created a specialized automation tool for astrophotography workflows by implementing system-level touch simulation through AccessibilityService, featuring dynamic target selection UI and precise timing controls for automated camera capture.

### Consistify | Flutter

2025

- Developed a mobile app for users to build consistency with healthy habits through social pressures and community incentives such as points tracking.
- Leveraged Gemini and Claude AI models within Cursor to generate UI components, validate logic, and accelerate development cycles.

### CourseMix | React, Postgres

2025

- Built and deployed a full-stack academic planning platform for Brock University students, streamlining course selection and scheduling for 25+ active users, while practicing agile development.
- Engineered backend algorithms navigating past limited data constraints to support personalized course recommendations, graduation timeline projections, and secure, encrypted grade storage.

## TECHNICAL SKILLS

**Languages:** Java, Python, C, SQL, JavaScript, HTML/CSS

**Frameworks:** React, Node.js, NextJS, Flutter, Kotlin

**Developer Tools:** Git, Docker, Cursor, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ