

# GURVIR SASAN

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## Education

University of Toronto - HBSc with Distinction

Nov 2024

Computer Science Major | Mathematics & Statistics Minor

Mississauga, ON

## Technical Skills

**Languages:** Python, Scala, TypeScript, Java, Kotlin, C, HTML/CSS, Bash, SQL, PostgreSQL, SQLite

**Technologies:** React, React Native, Angular, Node, Play, Redux, Next, JQuery, Express, Jest, Git, Jira, Postman, Docker, Plaid, AWS (S3, Secrets Manager, SDK for Java/Scala)

## Software Experience

Nojumi Solutions Inc.

Oct 2024 – Present

Software Developer

Toronto, ON

- Designed and implemented a **full-stack feature** enabling tenants to create personalized matter types and practice areas, extending Nojumi's default configurations and increasing platform versatility by **40%**.
- Led the **integration** with Stewart Title, implementing a secure **OAuth 2.0** authentication system with **CSRF** protections. Utilized proprietary **APIs** to enable customers to create and display title insurance documents using their data, all within embedded iframes for a seamless and secure experience.
- Improved **UX** workflows and resolved frontend issues in **Angular** for **100+ clients** based on feedback, while delivering end-to-end solutions with **Scala** backend API development and database enhancements.
- Led sprint planning and roadmap development, aligning long-term goals with short-term deliverables.

University of Toronto Mississauga

Sept 2023 – Dec 2023

Software Developer

Mississauga, ON

- Led development of a key **feature** for a Teaching Assistant application, enabling administrators to manage applicant data through database modifications and custom endpoints, using **Docker** for containerization.
- Diagnosed and fixed **20+** frontend bugs, optimizing user experience and enhancing application stability, resulting in a **25% decrease** in user-reported issues.
- Modified database structures and created **secure APIs** for efficient applicant data management.

JANA Corporation

May 2022 – Aug 2023

Software Developer

Aurora, ON

- Resolved over **450** frontend bugs during a **16-month** internship, significantly enhancing user experience
- Collaborated with the development team to **refactor** codebase, optimizing application efficiency by reducing frontend component re-renders and API calls by **30%**, resulting in a **23%** decrease in loading time.
- Contributed significantly to **backend** and **mobile** development initiatives, meeting strict project deadlines and providing crucial support to ensure successful project delivery.
- Engaged in agile meetings, aiding sprint planning and stand-ups to meet project deadlines.

## Other Experience

Apple

May 2024 – Oct 2024

Specialist

Mississauga, ON

- Applied **UI/UX** expertise to deliver personalized demonstrations, translating complex product features into clear benefits, ensuring smooth onboarding and ongoing support, getting a **95%** custom satisfaction rate.

## Projects

CallGPT - DeerHacks | *React, Flask, SQLite, Twilio API, OpenAI*

Apr 2023

- Won** Twilio's Most Creative Project, converting phone-based text-to-speech and speech-to-text for ChatGPT.

Restify | *React, Django, DRF, PostgreSQL, JWT*

Feb 2022 - Apr 2022

- Developed a full-stack social media app for restaurant discovery with user interactions and owner blog uploads.

UofTBoard - GDSC | *React, Node, React Router, Jest*

Aug 2021 - Jan 2022

- Developed a virtual bulletin board for community events, allowing posts, comments, and inquiries.
- Designed UI, integrated React Router for navigation, and implemented backend logic for comments and APIs.

Image Recognition | *Python, KNN, Decision Trees*

Jan 2021 - Mar 2021

- Developed a program to recognize handwritten digits using KNN and decision trees.