GURSIDAK GROVER

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OBJECTIVE

Second-year Software Engineering student at York University's Lassonde School of Engineering. Software Engineering Intern at SensTek Diagnostics and Co-Founder & CTO of Redstone Automations, working directly with clients to deliver full-stack and AI/LLM solutions in Python, JavaScript/TypeScript, and Go. Experienced in requirements gathering, cloud deployment on AWS, and shipping production features. Seeking a Software Engineering internship for Summer 2027.

SKILLS

Technical: Python, Java, Go, JavaScript/TypeScript, C++, SQL/MySQL, AWS, REST API Integration, Django/DRF, React/Next.js, Node.js, React Native, Git/GitHub, Data Structures & Algorithms, Machine Learning, LLMs & RAG, MS Office

Languages: English, Punjabi, Hindi, French

Soft Skills: Project Management, Client Communication, Presentations & Public Speaking, Team Leadership

ACHIEVEMENTS & CERTIFICATIONS

- Google Data Analytics & Cybersecurity Certificates; AWS Certified Cloud Practitioner (in progress)
- Distinction in Canadian Computing Competition (CCC) and the Fermat Mathematics Competition
- Peel Region Hackathon Winner

WORK EXPERIENCE

Software Engineering Intern | *SensTek Diagnostics* May 2026 – Present

- Architected and deployed a full-stack proposal (**Django/DRF**, **React**, **React Native**) that became SensTek's build roadmap
- Connected lab equipment activity to the web app by building Python tracking scripts and a MySQL database
- Cut pull request review time by 30% by building an automated dependency-graph visualizer and PR-commenting bot
- Redesigned senstekdx.com's landing page to improve visitor click-through, benchmarking 9 industry competitors

CTO | *Redstone Automations* Feb 2026 – Present

- Co-founded Redstone Automations, building voice **AI receptionists**, websites and **agentic workflows** for local businesses
- Served as the main **forward-deployed engineer**, building AI voice agents with custom knowledge bases tied to client calendars
- Engineer multi-step **LLM tool calling** into client APIs, CRMs, and email, validating outputs with **RAG** and guardrails
- Own the full **sales cycle** for about 15 active customers, from cold outreach and discovery through closing

Mobile App Developer | *Nutritionwize Diet Clinic* July 2025 – September 2025

- Gathered dietitian requirements and wrote feature specs, improving practitioner efficiency by 10%
- Scoped and authored a full PRD for a 3-module **React Native** app spanning **AI chat**, **telehealth**, and a **dietitian portal**
- Piloted the app with 100+ patients and practitioners at the clinic

PROJECTS

Nutritionwize App | *Go, Node.js, OpenAI API* 2025

- Built **CSV validation** and **row-level error handling** in Node.js, blocking malformed data from the primary database
- Reworked a high-traffic search API in Go, cutting **p95 latency** by 12% and reducing timeout errors during peak usage
- Integrated an **AI chat feature** into the app using OpenAI's **GPT-4o API**

Chess Engine | *Python* | GitHub 2025 – 2026

- Built a chess engine winning ~70% of games against intermediate players using **minimax search with alpha-beta pruning**
- Implemented all game logic, **move validation**, and **board-state management** from scratch, without external chess libraries

NoteVis — Chrome Extension | *JavaScript, Chrome Extension APIs* 2026

- Shipped NoteVis, a Chrome extension generating **on-device webpage summaries**, to the Chrome Web Store
- Grew NoteVis to ~25 active users by passing **Chrome Web Store review** via **minimal permissions** and a hosted privacy policy

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Executive Member | *YorkU CS Hub* Dec 2025 – Present

- Grew participation in YorkU's CS community by co-organizing tech events and networking sessions
- Strengthen York's computing community by supporting YorkU CS Hub's day-to-day club operations

Hack Club Executive | *North Park Secondary School* 2023 – 2025

- Grew Hack Club's turnout by organizing hackathons and workshops that drew over 200 participants
- Built coding fundamentals across the club by teaching members and coordinating executive meetings

EDUCATION

York University Sept 2025 – Present

Bachelor of Engineering, Software Engineering (4-Year Program) – Second Year

Relevant Coursework: Discrete Mathematics for Engineers, Applied Linear Algebra, Applied Multivariate & Vector Calculus, Electricity & Magnetism, Advanced Object-Oriented Programming (Java)