

# Sidhant Kumar

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## Education

### Dalhousie University

Bachelor of Computer Science, CGPA – 4.09/4.3

Sept 2023 – Present

Halifax, NS

## Technical Skills

**Languages:** HTML, CSS, JavaScript, Java, Python, MySQL, PHP, Aseba, C, Node.js

**Tools:** Processing, Android Studio, IntelliJ, PyCharm, Eclipse, Jupyter Notebooks, Git, VS Code, Cursor

**Frameworks:** Bootstrap, JavaSwing, Pygame, Express.js, TailwindCSS

## Experience

### Software Developer – AI Trainer (Remote)

Nov 2024 – Mar 2025

#### DataAnnotation

- Reviewed AI-generated responses to ensure alignment with user request.
- Developed and tested code to enhance system functionality and user experience.
- Collaborated with cross-functional teams to improve AI performance and resolve issues.
- Maintained high standards for quality assurance in AI systems.

## Projects

### Peer — Collaborative Coding & Communication Platform | 🐙 GitHub | Live

Apr 2025 – Jul 2025

*React, Node.js, WebRTC, WebSockets*

- Developed a real-time collaborative IDE with integrated chat/video, enabling teams to code together seamlessly.
- Optimized WebSocket sync to support 10+ concurrent users with minimal latency, ensuring a smooth remote teamwork experience.

### Groki — AI Voice-Controlled Inventory Manager | 🐙 GitHub | Live

Jan 2025 – Aug 2025

*React, Node.js, Gemini API, Supabase*

- Built a voice-activated inventory system with wake-word detection for true hands-free usage.
- Integrated Gemini AI to suggest recipes from pantry contents, improving meal planning efficiency for end-users.
- Secured user authentication and storage with Supabase, ensuring reliability and data protection.

### Gitofy — GitHub/GitLab Companion (Android) | 🐙 GitHub

Jan 2025 – Aug 2025

*Java, Android, GitHub REST API*

- Created a mobile app for on-the-go repository management, giving developers quick access to project insights.
- Implemented OAuth login + push notifications to keep users updated on tracked branches.
- Added contributor statistics and repo filtering, improving productivity for teams managing multiple projects.

### Compiler Development Project | 🐙 GitHub

Sept 2024 – Dec 2024

*Python, Regular Expressions*

- Designed and implemented a custom lexical analyzer and grammar-based parser in Python.
- Incorporated semantic checks to improve reliability, strengthening understanding of compiler design and language processing.

## Extra Curricular

### NASA Space Apps Challenge

Oct 2024

Dalhousie University, Halifax, NS

- Collaborated with a diverse team of 5 to propose innovative solutions for real-world challenges posed by NASA.
- Participated in brainstorming sessions to align technical ideas with project goals.
- Developed Python game prototype using Pygame under a 24-hour deadline.

## Awards

- Dalhousie University Global Entrance Scholarship.
- Sexton Scholar.