

Siddharth Lamba

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SUMMARY

- **Engineered and deployed** a critical automation model that eliminated **70-80 hours** of monthly manual work, directly resulting in an estimated annual cost savings of significant amount for the LOB
- **3+ years** of experience in **full-stack development**, specializing in [Vue.js](https://vuejs.org/), Node.js (JavaScript, Tailwind, Kubernetes, Docker, Github Actions, SonarQube, Kyvos, Helios) and other frameworks. Proven ability to deliver responsive, accessible applications using **modern styling frameworks and libraries**.
- **Expertise in building** predictive models (XGBoost, Random Forest, KNN) for business insights (e.g., Customer Churn Prediction). **Proficient in integrating and leveraging** external AI services, including Azure AI Image Analysis and OpenAI APIs (DALL-E).
- **Strong foundation in core programming languages**, including **3 years** of JavaScript/Java and **2 years** of Python. **Experience owning and maintaining 8+ backend APIs** and developing scalable microservices, ensuring data integrity and application resilience.
- **Working knowledge of cloud platforms** (GCP, AWS) and deployment processes. **Highly proficient in professional development workflows**, utilizing Git for version control, JIRA for Agile project management, and tools like Postman and Wireshark for testing and debugging.

EDUCATION

Sheridan College, Oakville

September 2022 - Present

Computer Systems Advanced Diploma - Information Systems Engineering

Relevant Courses: Data Structures Algorithms, Software Engineering Fundamentals, Software Process Management

SKILLS

Languages JavaScript(ES6+) · HTML5/CSS3 · Java · Python · C/C++ · PHP · SQL(PostgreSQL/MySQL) · Swift

Frontend VueJS · AngularJS · Tailwind CSS · ReactJS · NextJS · SASS/LESS

Backend Node.js · Express · Spring Boot · TypeScript · RESTful API

Databases MongoDB · Elastic Search · DynamoDB · Firebase

Cloud & DevOps AWS · GCP (Google Cloud Platform) · Azure DevOps · Docker · Kubernetes (k8s) · GitHub Actions · Vercel

Testing/Monitoring Jest · SonarQube · Grafana · Kibana · Postman

Tools & Methodology Git/GitHub · JIRA/Agile · Visual Studio Code · IDEs (Eclipse, XCode) · Kyvos · Helios · Kubernetes

EXPERIENCE

Full Stack and AI developer | RBC, Toronto, ON

February 2026 - Present

- **Maintained and continuously enhanced** three internal products serving a user base of **1,000+**, driving ongoing performance improvements across the codebase.
- **Pioneered** the adoption of skill-based coding techniques, improving development efficiency by **90%** for fellow engineers, while actively contributing to RBC's innersource platforms.
- **Spearheaded** the design and documentation of a standardized onboarding framework, reducing new developer ramp-up time and improving cross-team knowledge transfer.

Junior SWE (Part-time) | RBC, Toronto, ON

September 2025 - Present

- **Developed and integrated** a critical next-stage feature involving the assignment of Team Managers to individual advisors.
- **Planned and initiated development** for a complex manual process, aiming to reduce an estimated **100-120 hours** of current monthly effort.
- **Contributed** to multiple product teams, including the successful **migration** of systems from older to newer technology stacks.

Software Engineer Intern | RBC, Toronto, ON

May 2025 - August 2025

- **Engineered** an automation model that reads and processes input from multiple sources, stores data in the DB, and runs daily to assign team leaders to new joiner batches.
- **Eliminated 36-40 hours of manual work** per month, resulting in an estimated annual saving of significant amount for the department.
- **Spearheaded** the framework to cover more manual processes, converting them into an interface to establish a **one-stop operational portal**.

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VOLUNTEER(Beyond the code)

Tech Executive | **HACKVILLE'26**, Oakville, ON

August 2025 - Present

- **Built and scaled** the core portal while **co-organizing** Sheridan's flagship Hackathon for over **400 participants** across North America.
- **Led a technical team** of 9 Developers and 4 Designers in creating the official hacker application form and an exclusive sponsor access portal.

Developer Mentor | **APPLE & CEC**, Toronto, ON

February 2025 - Present

- Managed and consulted high school students, using data-driven strategies to increase Swift program applications by 25%.
- Designed a data-backed coaching approach, improving iOS app development success rates to 90% through mentorship.
- Analyzed student performance trends, leveraging data insights to refine training methods and enhance learning outcomes.

Computer Science Tutor | **BRIGHTSPARKZ TUTOR**, Oakville, ON

July 2024 - Present

- Designed and delivered 20+ coding lessons, enhancing student engagement and improving coding proficiency.
- Assessed the progress of 10+ students, providing feedback that increased overall performance by 25%.
- Simplified complex programming concepts, enabling 90% of students to achieve above-average scores in evaluations.

Full-Stack Developer Intern | **SKILL SQUIRREL**, Mississauga, ON

Sept 2024 - Dec 2024

- Engineered AI-driven features to enhance usability for diverse user needs, increasing accessibility compliance by 40%.
- Spearheaded image creation projects with DALL-E and Azure, generating 300+ visuals, enhancing user engagement.
- Owning 8+ APIs in servicing components with Typescript backend, React frontend.

Software Engineering Fellow | **HEADSTARTER AI**, New York, US

June 2024 - Sept 2024

- Built **14+** machine learning, AI-engineering and full-stack projects in fast-paced software team environments.
- Developed **5+** neural networks in Python & **11** apps in TypeScript on AWS/Vercel with dev and production environments.
- Implemented llm-chaining, hyperparameter tuning, fine-tuning on **10+ LLM** models controlling for latency & Accuracy.
- Coached by Google Machine Learning, Google Kubernetes, Two Sigma, Tesla, Figma and Citadel Engineers.
- Created **221+** commits on GitHub with **7-day** deadlines, getting a Career Capital increase of **20%** from the start date.

PROJECTS

Voice Hire | AI-Powered Recruiter (AI / Voice AI, Production SaaS) - [Link](#)

Jan 2026

- **Developed** an automated phone screening platform that streamlines the recruiter hiring pipeline by conducting AI-driven voice interviews with candidates, reducing manual screening effort and accelerating time-to-hire.

Website Portal | CDNC - (Express, ReactJS, NodeJS, Mongo) - [Link](#)

Jan 2025 - Dec 2025

- **Designed and developed** the complete website portal, creating a robust, accessible platform for new and experienced caregivers.
- **Spearheaded** the entire project for a local NGO, serving as a single source for all resources and support for families and volunteers.

Hacker Application Portal & Official Website | Hackville - (NextJS, DynamoDB, Firebase, GCP) - [Link](#)

Aug 2025 - Present

- Application hacker portal for updates on application stage, review and direct scanning of resumes for sponsors companies.
- 9th-iteration of Canada's first college run hackathon, solely run and controlled by current Sheridan College students.

Paragon AI {Generative AI as a Service} | (Python, Azure's Computer Vision, Dall-E, React JS) - [Link](#) (< 24 hours) **Nov 2025**

- **Developed** and deployed working, live Gen AI agents using custom templates.
- **Architected** an **NPM CLI package** that automatically creates and initializes Docker and Kubernetes manifest files, enabling Gen AI agent deployment from any machine with Node installed.

AI-Captioner | Skill Squirrel - (Express, React JS, Node JS, SASS)

Nov 2024 - Dec 2024

- Developed a frontend interface and integrated Azure AI Image Analysis to generate captions for 1,000+ images monthly.
- Enhanced web accessibility by employing AI-generated captions as alt text, improving usability for visually impaired users.

BadgeAI | Skill Squirrel - (Python, Azure's Computer Vision, Dall-E, React JS)

Sept 2024 - Nov 2024

- Upgraded digital badge designs for online courses by developing a frontend to capture data for dynamic badge generation.
- Streamlined badge creation by automating the generation of 1,500+ badges monthly, improving efficiency and scalability.

LockIn AI | Team Project - [Link to Project](#) | (ICS.js, Tesseract.js, ReactJS, Figma, GitHub)

(~8 hours) **Jan 2025**

- Built an AI-driven tool to extract student schedules from uploaded screenshot of schedule
- Generating downloadable .ics files, streamlining calendar integration.
- Developed app-blocking functionality by categorizing distracting apps and locking them during class or study sessions.

Customer Churn Prediction Model | Team Project - [Link to Project](#)

Nov 2024 - Jan 2025

- Created a customer churn model using XGBoost, Random Forest, and KNN, optimized with hyperparameter tuning.
- Built an interactive Streamlit web app with OpenAI API integration to provide churn explanations and customer insights

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EXTRA CURRICULAR

- **Awarded 1st Runner-Up for Paragon AI** at the **Canada GenAI DevOps Hackathon**, competing against **75 participants** who were primarily industry managers and senior directors, accomplished in a **24-hour rapid development cycle**.
- **LockIn AI** – won **Best Use of Tempo Labs** title at **HACKVILLE 2025** - [Know more](#)
- **Engaged in tech-talks**, workshops, networking with developers and industry experts at **GDG MISSISSAUGA**
- **Promoted** the **BOOST APP** as a Mobile Application Ambassador, driving adoption among college students.
- **Designed and developed** a responsive website with animations as **Site Contributor** at **SHERIDAN SWIFTIE CLUB**