

Ojas Srivastava

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TECHNICAL SKILLS

Languages: Java, JavaScript/TypeScript, Python, C++, R, OCaml, GDScript

Frameworks & Libraries: React, Next.js, Tailwind CSS, Express.js, FastAPI, Django, Unity (C#), Godot (GDScript), TensorFlow.js, PyTorch, Redis, Three.js, Quasar, Spring Boot

Databases: PostgreSQL, MySQL, MongoDB, Prisma, Docker (for DB deployments)

Developer Tools: Git, GitHub, GitLab, Docker, JUnit, PyTest, Postman

EDUCATION

McGill University

Montréal, QC

Bachelor of Science in Mathematics and Computer Science

Aug. 2023 – May. 2027

Relevant Coursework: Algorithms and Data Structures (Java), Software Design (Java), Programming Languages and Paradigms (OCaml), Software Systems (C, Bash), Computer Systems (MIPS Assembly), Compiler Design, Theory of Computation, Statistics (R), Probability, Numerical Analysis (MATLAB), Abstract Algebra I & II, Ordinary Differential Equations, Advanced Calculus, Operating Systems (C/C++, Linux)

EXPERIENCE

Software Development Intern | Vue.js, WCAG, Java (SpringBoot), MySQL

Apr. 2025 – Aug. 2025

Nakisa — Full-time

Montréal, QC

- Enhanced accessibility features across 5+ web applications for 10+ fortune 500 companies.
- Optimized keyboard navigation and screen reader support, reducing navigation time by 30%.
- Conducted accessibility audits with Axe and Lighthouse, resolving 50+ critical issues.
- Collaborated with UX and frontend teams to implement high-contrast themes and ARIA attributes, increasing adoption by 20%.
- Engineered 3+ Java backend services, fixing 20+ database bugs and improving query performance by 40%.
- Resolved 40+ critical export and frontend bugs, improving system reliability by 25%.

Software Developer | React JS, GraphQL, PostgreSQL, C/C++, Python

Mar. 2023 – Apr. 2025

CodeDay — Full-time

Remote/ Seattle, WA

- Developed and maintained Next.js frontend with GraphQL API integration, reducing page load times by 30%.
- Engineered PostgreSQL backend with 5+ automated pipelines, cutting workflows by 40% and processing 10,000+ records daily.
- Created 8+ automation tools in Python and C++, saving 20+ hours weekly and improving efficiency by 25%.
- Led a global team of 15 to deliver hackathons for 1,000+ participants annually.

Web Development Intern | Next.js, Python

Jan. 2024 – Jun. 2024

MMPG College — Full-time

Kalakankar, India

- Collaborated with faculty to redesign the college's website, enhancing user interface and accessibility
- Conducted over 20 sessions on web development tools such as Python, GitHub, and React, enabling students to build personal projects
- Developed backend and refactored student database to allow for easy access for college staff

PROJECTS

Nuclear (AI-Powered Notetaking Startup) | Next.js, Supabase, Prisma, Redis

Jun. 2025

- Co-founded an AI-powered notetaking app with 100+ active users, driving 40% monthly user growth and processing 500+ notes daily.
- Developed and trained custom AI models on a massive dataset of handwritten and typed notes to deliver personalized, context-aware search and recommendations tailored for each student's learning style.
- Implemented semantic search using Perplexity Sonar, reducing note retrieval time by 60% and achieving 95% search accuracy.
- Secured 3 key educational partnerships to expand adoption.

SymLang (McHacks Winner) | JavaScript, Next.js, TensorFlow.js, Computer Vision

Feb. 2025

- Created AI-powered gesture recognition system for hands-free programming, achieving 90% accuracy across 15+ gestures.
- Trained custom classification model in TensorFlow.js, achieving 85% accuracy with 10,000+ training samples.
- Showcased at Mchacks 2025, demonstrating an innovative approach to accessibility and intuitive coding.

CodeView (UoFT Hacks winner) | Next.js, Tesseract React, Docker, PostgreSQL, Prisma

Jan. 2025

- Created code analysis app that scans handwritten code and provides Big O complexity analysis for students.
- Implemented OCR technology using Tesseract.js to scan handwritten code with 90% accuracy and real-time Big O analysis.
- Built a comprehensive rating system that evaluates code efficiency and provides actionable feedback to improve student coding skills.