

Malhar Datta Mahajan

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SUMMARY

Computer Science student with experience across **technical operations, full-stack application development, and data-informed systems**. Proven ability to analyze system behavior, support production-style environments, document processes, and communicate clearly with technical and non-technical stakeholders. Strong foundation in application reliability, structured problem-solving, and end-to-end system ownership.

TECHNICAL SKILLS

Systems & Collaboration: Microsoft 365 (SharePoint, Excel, Teams), document management, permissions, workflow design

Data & Analytics: Power BI, Excel (Advanced), SQL (Foundational), data modeling, ETL concepts, API data integration, reporting

Automation & Process: Power Automate, Power Apps, workflow automation, process optimization

Web & Scripting: TypeScript, JavaScript, Python (data processing), REST APIs

Tools & Platforms: Git, GitHub, cloud APIs, QuickBooks (data source integration)

WORK EXPERIENCE

Classroom Technologies Support — Dalhousie University

Sept 2025 – Present

Halifax, NS (On-site)

- Provided real-time technical support for live instructional environments by troubleshooting audiovisual equipment, presentation systems, microphones, and lecture capture tools.
- Responded to and documented **40+ classroom technology incidents per term**, ensuring continuity of instruction and reliable system operation.

Backend Team Lead (Volunteer), Worship — Church Streaming Platform

May 2025 – December 2025

Java | Spring Boot | MongoDB

- Designed and maintained **30+ RESTful API endpoints**, supporting authentication, role-based access, and live-streaming workflows in a production backend environment.

Help Desk & Front Desk Assistant — Headstart Tennis Academy

Jan 2023 – Present

Halifax, NS (On-site)

- Managed scheduling and record systems for a high-volume facility, coordinating **300+ monthly bookings** while serving as the primary technical and customer-facing contact.

PROJECTS

Full Stack Developer (Next.js 15, TypeScript, Prisma, Neon Postgres, Groq)

May 2025 – Present

BullishAI — AI-Powered Market Research & Analytics Platform | [Live](#) | [GitHub](#) | [Demo](#)

- Built a full-stack platform integrating live financial data, backend aggregation pipelines, and interactive dashboards for market research and exploration.

- Engineered scalable data ingestion and aggregation workflows across **10,000+ tracked tickers**, improving responsiveness by approximately **30%**.

- Integrated AI-driven analysis using Groq (Llama-3) to generate synthesized insights from structured market data and external signals.

Game Developer (Unity, C#, Rigidbody Physics, Git LFS)

Feb 2025

Urban SWAT Platformer — 3D Third-Person Action-Platformer | [Play](#) | [GitHub](#)

- Developed a complete 3D gameplay loop with physics-based movement, checkpoint systems, and enemy AI using modular C# components.

Full Stack Developer (React 18, Redux, Shazam Core & Spotify APIs)

Jan 2025 – Apr 2025

FlexBeats — Music Streaming Web App | [Live](#) | [GitHub](#)

- Integrated multiple external APIs to deliver real-time playback, lyrics, and regional charts while optimizing Redux state management for responsive UI behavior.

Junior Software Developer (Node.js, Three.js, WebXR, Supabase)

Sept 2024 – Dec 2024

ChemAR — 3D Molecular Visualization Tool | [Live](#) | [GitHub](#)

- Collaborated in an agile team to build a web-based AR molecular viewer using Three.js, with backend services in Node.js and Supabase.
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EDUCATION**Dalhousie University**, Halifax, NS

Winter 2023 – Winter 2027 (Expected)

Bachelor of Computer Science (Co-op)

Relevant Coursework: Software Engineering, Data Science, Operating Systems, Systems Programming, Algorithms, Web-Centric Computing