

Divit Batra

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Computing Science student building backend services, data workflows, and responsible AI practices for Alberta's public service. Focused on secure, auditable systems and practical tools that serve people.

EXPERIENCE

Government of Alberta | Provincial Program Support | Jun 2025 - Present

Public Safety and Emergency Services - Internship

- Develop backend services and APIs for internal platforms, including authentication, access control, and audit logging.
- Serve as an AI Enablement Champion, supporting appropriate use, data handling, and human oversight; collaborate with policy and privacy colleagues on requirements.
- Run automated security and dependency checks as part of the build pipeline; support technical documentation, compliance, testing, and operational readiness.
- Developed Power BI dashboards, ArcGIS analysis, and end-to-end ETL workflows for Community Corrections; automated operational processes with Excel, Power Automate, and SharePoint.

Banana Republic | Stylist, part-time | May 2024 - Aug 2026

- Delivered personalized in-store and virtual styling; supported inventory management and service improvements through customer feedback.

SELECTED PROJECTS

Supreme Barbershop | Independent prototype, 2026 | GitHub

Next.js/TypeScript booking prototype with a React Three Fiber storefront and Prisma/PostgreSQL appointment API. Implemented validation, trusted service lookup, transactional creation, idempotency, and conflict handling.

Lumina Data Assistant | Hacked Beta team project, 2024 | GitHub

Co-created with Vaibhav Jain. React/Flask workflow for CSV/XLSX uploads, data cleaning, descriptive statistics, visualizations, and export using pandas, scikit-learn, and Chart.js.

Social Media Moderation | Hacked team project, 2024 | Devpost

Co-created with Vaibhav Jain. Flutter/Dart prototype presenting social-platform comments and AI-assisted moderation for review. Winner of the Hacked 2024 AltaML Challenge.

TECHNICAL CAPABILITIES

Languages & applications: Python, Java, C/C++, JavaScript, TypeScript, SQL, React, Node.js, Express, Flask, Flutter.

Data & cloud: PostgreSQL, SQL Server, MongoDB, BigQuery, Power BI, ArcGIS, Microsoft Azure, Google Cloud, Firebase.

Security & AI: OAuth 2.0, JWT, RBAC, SAST/DAST, dependency review, AI enablement, data handling, human oversight.

EDUCATION & CREDENTIALS

University of Alberta | BSc, Computing Science | 2023 - Present

Google Data Analytics Professional Certificate (2025); DataCamp Introduction to Power BI (2025); IBM Full Stack Software Developer (2024).

RECOGNITION & COMMUNITY

Hacked AltaML Challenge winner (2024); COMPUDON MOS Microsoft Word national champion (2019).

University of Alberta: Airport Leader (Aug 2024) and Special Events Ambassador (Oct 2023).