Mantaj Singh

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HIGHLIGHT OF SKILLS

TECHNICAL SKILLS

Known Software: Tableau, Power BI, Excel, R Studio, SQL Server, PostgreSQL, MongoDB, Node.js, Express.js, React.js, Docker, Vercel **Operating**

 Systems: Windows, macOS, Linux **Programming**

 Languages:

- **Proficient with:** Python, Java, R, SQL, JavaScript, TypeScript •
- **Exposed to:** HTML/CSS, C, C++

   Microsoft Suite Knowledge: Word, Excel, PowerPoint, Outlook

   Internal or PC Components Knowledge: Understanding of system architecture, troubleshooting, and basic hardware assembly.

INTERPERSONAL SKILLS

- Strong collaborator who thrives in team-based environments and contributes effectively to group projects and research initiatives.
- Able to work independently on complex analytical problems, maintaining focus and accountability for results.
- Experienced in customer-facing environments, demonstrating professionalism, patience, and strong communication skills.

EDUCATION

Bachelor of Computer Science (Data Analytics) | Acadia University, Wolfville, NS

Expected Graduation: December 2026

 Relevant Courses: Python Programming, Discrete Mathematics, Calculus, Statistics, R Studio, Computer Architecture, Software Engineering, Artificial Intelligence, Operating Systems, Data Communication, Financial Accounting, Human-Computer Interaction

Accolades: Student Excellence Scholarship, Dean's List 2024/25

ACADEMIC PROJECTS

Vendor Performance Dashboard

- **Technologies Used: Power BI + PostgreSQL**

- Built an automated ETL pipeline using Python and PostgreSQL to clean > 2 000 records Visualize key KPIs in Power BI — including **average vendor rating (4.2), average payment days (26), and on-time delivery rate (50%)** — to identify high-value but delayed vendors.

Hotel Booking Revenue Analysis | *2025* **Technologies Used:** SQL Server, Excel, Tableau

- Processed and analyzed historical hotel booking data to uncover seasonal patterns and revenue drivers.
- Developed data visualizations in Tableau to identify opportunities for pricing optimization.
- Applied analytical reasoning and teamwork to interpret data insights collaboratively.

StudyLink – Group Study Platform (Deployed Web Application) | *2024*
Technologies Used: React.js, Node.js, Express.js, PostgreSQL, TypeScript, Docker, Vercel

- Designed and deployed a full-stack web application allowing students to form and manage study groups.
- Built a RESTful backend integrated with a PostgreSQL database and deployed on a self-hosted Docker server

Event Management System | *2024*
Technologies Used: React.js, Node.js, Express.js, MongoDB

- Developed a responsive web app for event creation, editing, and management.
- Implemented a seamless user interface using React Router and Framer Motion.
- Collaborated across roles to ensure smooth integration between front-end and back-end teams.

WORK EXPERIENCE

Research Assistant | Acadia University-Wolfville, NS   *Oct 2024 – Present*

- Automated repetitive research tasks using Python and R, increasing efficiency and data processing speed.
- Analyzed data from over 160 YouTube channels to extract valuable content insights.
- Partnered with research peers to solve complex analytical problems through innovative data-driven approaches.
- Demonstrated initiative, problem solving, and technical adaptability.

Online Data Analyst | Telus International   *Sep 2025 – Present*

- Evaluated digital content (search results, map data, listings) for accuracy and relevance, reviewing 200+ entries per day.
- Improved data integrity and user experience quality by identifying and resolving inconsistencies.
- Maintained high performance and consistency in a remote work environment.

Customer Service Desk Associate | Walmart – New Minas, NS | *Oct 2024 – Present*

- Provided courteous, efficient, and professional service to customers at the service desk.
- Handled inquiries and transactions accurately while maintaining composure under pressure.
- Enhanced problem-solving and communication abilities in a fast-paced environment.

CERTIFICATES / TRAINING

McMaster University – Data Analytics and Modelling Course | *2024*

Google Data Analytics Certificate (In Progress) | *2025*