Prab Dhanoa

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EDUCATION

University of Waterloo   **April 2025**
Bachelor of Mathematics, Mathematical Studies   *Waterloo, ON*

WORK EXPERIENCE

University of Waterloo   **May 2023 – January 2024**
Engineering Outreach University Instructor   *Waterloo, ON*
- Designed and delivered educational programs to over 3,000 students, focusing on engineering concepts and coding.
- Collaborated on projects with Google developers, university robotics labs, and the City of Waterloo

The Shepherd Group   **May 2021 – May 2022**
Data Entry Clerk/Financial Analyst   *Toronto, ON*
- Automated financial tracking processes using Excel VBA scripting and Python programming, significantly improved operational efficiency.
- Designed automated scripts to update client databases and create data-driven presentations with Power BI.
- Upgraded company workstations with new software and hardware

Freedom Transportation   **January 2022 – May 2022**
Web Developer/IT Support   *Toronto, ON*
- Developed the company website and web applications using JavaScript
- Helped setup, train, and maintain newly implemented Oracle order management system
- Audited company financials, and created relevant automation tools for future audits

Lait Night   **September 2022 – January 2023**
Barista   *Waterloo, ON*
- Keyholder for boba store, helped with daily operations with a team of coworkers
- Learned customer service and communication skills

PROJECTS

Personal Website   **2024**
- Created a personal website using HTML5 and JavaScript (prabd.com)
- Website acts a personal repository for projects and a personal blog
- Created a "text-message" blog feature for the website, where blog posts can be pushed to the site from a text message on a phone using the Discord API.

Personal Blogging Discord Bot   **2024**
- Discord bot is hosted on a local server, and whenever the server receives a message, the contents of the message are converted into an HTML snippet, and is then sent to my website to be posted

Procedural Generated 2D Dungeon Crawler Game   **2023**
- Created the art, sounds, and code for a 2D game using GMS2, and hosted online via JavaScript export

SKILLS & INTERESTS

- **Skills:** Data Analysis, Process Automation, Teamwork, Creativity, Communication, Problem Solving
- **Technologies:** Python; C#; Git; Jira; Power BI; Excel; SQL; Website Development; VBA; JavaScript
- **Interests**: Weightlifting; Game Development; Dungeons and Dragons