

Shaurya Dave

Engineering Student

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WORK EXPERIENCE

University of Calgary, Concrete Toboggan Club • Braking Superstructure

(09/2024) - (Present)

- Worked closely with a group of over **30** members.
- **Designed** and implemented a spring-loaded vertical brake system with spiked plates for **improved traction**.
- Conducted rigorous **stress testing** on braking components, focusing on **durability** and safety under **high-load** conditions using **SolidWorks**.

University of Calgary, CALF-20 Lab • Intern

(03/2024) - (04/2024)

- **Developed** a solution of a base using **qualitative** and **quantitative** methods.
- **Created a device** to test and showcase CALF-20's efficiency in absorbing CO2. The device was **utilized at Bonnyville Energy Innovation** near Edmonton in March 2024.
- **Produced a video** showcasing the development of the device. The video was presented to **300+** students and professors across Alberta. **Strathcona Resources Ltd** is acquiring the video.

Kumon Canada, 47 Legacy View • Assistant Grader

(09/2024) - (10/2024)

- **Contributed** to student learning, **growth**, and advancement through **positive encouragement** and motivation.
- **Managed** a learning center with over **100** students, ranging from preschool to university level, specializing in mathematics and reading. **Leading** a team of over **6** coworkers.

PROJECT EXPERIENCE

Engineering Projects, Interdisciplinary • Engineer

(10/2018) - (Present)

- **Launched over 6** independent engineering projects since **age 11**, addressing **real-world challenges** through innovative design; **documented** the entire process on a **personal website**, enhancing public access to practical engineering solutions.
- Demonstrated **resilience** and **adaptability** through overcoming **technical challenges** in various **self-driven projects**. Focused on utilizing engineering for the **greater good**; to create solutions that benefit **communities**.
- Refer to my **website** for a deeper understanding of each project and its **details**: sdbudyy.github.io.

Annual Community Bikeathon, Intercommunity • Founder and Host

(07/2022) - (Present)

- **Organized** and led an Annual Bikeathon, **coordinating over 20 participants** on a **23-kilometer** community loop. Built a **supportive** and **inclusive** environment
- **Oversee** event **logistics**, including route **planning**, participant **registration**, and **safety** protocols to ensure a smooth and **enjoyable experience** for all riders.

Mental Health Podcast, Spotify • Founder and Co-Host

(10/2023) - (Present)

- **Founded** and **co-hosted** a **mental health podcast on Spotify**, focused on **destigmatizing** stress, anxiety, and emotional struggles through open dialogue and expert insights. **Produced**, edited, and published episodes **independently**, **managing** content creation, episode **planning**, and **promotion** across platforms.
- Garnered **over 100 listens**, building an **engaged audience** around important mental well-being and personal resilience **discussions**. Created a safe space for listeners, offering supportive content; encouraging vulnerability and openness.

Charisma Course, Udemy • Founder

(03/2023) - (Present)

- **Established** a comprehensive **Charisma Skills** course on **Udemy**, which enhances interpersonal **communication**, confidence, and influence **skills**—reached out to **over 50** people online.
- **Learned and applied key techniques** for improving body language, vocal tonality, and **social interactions** to connect more effectively with others.

Invested Interest, Spotify • Founder and Co-Host

(01/2024) - (Present)

- **Launched** a Spotify podcast dedicated to promoting **financial literacy**, with a focus on simplifying complex financial concepts for a **broad audience**.
- Executed **engaging** and **educational** content that encourages listeners to make **informed financial decisions**.
- Structured episodes to provide **practical financial knowledge** while remaining factual and **free of personal bias**.

ENTREPRENEUR EXPERIENCE

Detailing and Servicing Cars, Home • Business Owner

(05/2020) - (10/2023)

- **Founded** and **operated** a car detailing service from home, providing high-quality cleaning, polishing, and oil changes for **50 +** vehicles.
- **Governed** all aspects of the **business**, including customer acquisition, scheduling, service delivery, and client satisfaction.
- **Discovered expertise** in automotive care, utilizing **industry-standard products** and techniques to enhance vehicle appearance and longevity.
- **Delivered** high-quality detailing services, building a **loyal customer base** through word-of-mouth referrals and repeat **business**.

PC Building and Troubleshooting • Business Owner

(09/2019) - (10/2021)

- **Founded** a PC building company at the **age of 14**, demonstrating **entrepreneurial spirit** and **technical expertise**. **Built custom PCs** tailored to **client needs**, including gaming rigs, workstations, and budget-friendly systems.
- **Directed** all dimensions of the **business**, including client consultations, sourcing components, assembly, and troubleshooting.
- **Developed a reputation** for delivering high-quality, reliable builds, resulting in a growing base of repeat customers.
- Applied **effective time management** and customer service skills to successfully balance business operations with academic commitments.

ATHLETIC AWARDS

- *Triple Jump Calgary City Champion 2022*
- *Long Jump Calgary City Champion 2022*
- *Football Running Back Starter MVP 2022*
- *Rugby Wing Starter and MVP 2024*

SKILLS

Programming Skills: Python, C++, HTML, CSS, JavaScript

Software Skills: Microsoft Word, Excel, PowerPoint, Outlook, Teams, Notion, SolidWorks, AutoCAD

EDUCATION AND CERTIFICATIONS

University of Calgary, 2500 University Dr • Engineering

Graduation Year 2028

Dr. E.P Scarlett, 220 Canterbury Dr • Highschool Diploma

Graduation Year 2024