

Pulkit Garg

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SUMMARY OF QUALIFICATIONS

- Majoring in **Computer Science** with specialization in **Computational Fine Arts** and prospective minor in **Cognitive Science**.
- Strong background in **game design and development**, along with **3D modeling, graphics, and animation**.
- Experience with **front-end web development, UI/UX design**, and knowledge of **motion graphics, video editing, and VFX**.
- History of collaborating with **large, dynamic, and diverse teams** through various clubs and volunteer experiences.

Technical Skills: Unity, Unreal Engine, Android Studio, Java, Figma, Adobe Suite (Photoshop, XD, After Effects, and Premier Pro), Blender, Audacity, FL Studio, 3DS Max, Substance Painter, HTML, CSS, JavaScript, React, Racket, Python, C, C#, SQL, Firebase, Git

EDUCATION

University of Waterloo

B.CS Computer Science Coop, Faculty of Math. **President's Scholarship of Distinction**. GPA: 3.7/4

Sep 2022 – Present

EXPERIENCE

Software Developer - Coop

Ford Motor Company of Canada

May 2023 – Sep 2023

- Wrote efficient and reliable code for ventilation control, 3D visualization, and climate control tools for the next generation of Ford's vehicles and infotainment systems.
- Leveraged **Kotlin, C++**, and **Android Studio** to create applications to enhancing the overall user experience.

Founder and Lead Developer

Sojourn Interactive (sojourninteractive.xyz)

Feb 2019 – May 2023

- **Led** a team of 5 high school students to program **video games** for social causes using tools like **Unity** and **Blender**.

Director and Head Game Developer

Exun Clan: Technology club at DPS RK Puram

June 2018 – June 2022

- Responsible for **managing** the daily operations of one of the **largest and oldest student-run technology clubs** in India.
- Organized the annual tech symposium with **1000+ participants, taught how to code** to over **300** students, and helped set up outreach program, Girls in Tech.

Tutor

2018-2021

- Tutored students in classes 6-10. Taught computer science and topics like **python, web, and game development**.

PROJECTS

Voksel

[link](#)

Free and **open-source 3d modeling software** that uses **voxels** to simplify the process of making low poly 3d models and prototyping assets for video games and level design. Written in **C#, Shaderlab**, and **HLSL language** using **Unity** as the rendering engine.

SpaceLine

[link](#)

Used **Unity** and **C#** to develop a **physics space sandbox** that includes gravity, climate, and life simulations to allow the user to simulate a virtual star system. Also used the **SteamVR** framework to implement a **virtual reality** mode.

Prepto

[link](#)

A cross-platform app built in **React Native**, allowing users to compete against each other while solving test questions. It uses the **Firebase Cloud SDK** for **JavaScript** to handle **authentication, matchmaking, and real-time databases**.

TxtScribe

[link](#)

Image-to-text transcriber that uses **Computer Vision, Image recognition, and NLP** to convert any handwriting to text, fill in any missing words, fix any spelling/grammar, and generate a summary. Built using **Python, Flask, Google Cloud SDK, and Co:here API**.

Certify

[link](#)

Web3 platform, which allows users to generate, save and verify certificates as NFTs on the **Solana blockchain** using the **Pillow API**.

Digital 3D Cinematic Art Portfolio: <https://www.artstation.com/pulkitgarg>

AWARDS

Hack Western 2022 Best Gaming Hack

Western University

Developed Pashu, a WebGL strategy game about managing an animal shelter

Design Championship

NASSCOM, Indian Game Developers Conference

India's largest high school game jam. 2020 National Winner and 2017, 2018, 2019 Runner Up.

SpaceApps 2019, Winner

NASA Earth Science Division

Youngest ever National Champion, India and nominated for the global award among 30,000 participants, for the project Spaceline.

Toyota Hackathon 2019, Winner

Toyota Kirloskar Motors, IIT Delhi, Indian Road Safety Campaign

Recognized for creating Roadline, a VR simulator that aims to make Indian drivers better and the roads safer.

Angel Hack 2019, Runner Up and AWS Amplify Award Winner

Angel Hack