

**Timothious Gill**

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## Summary

I am a passionate and multidisciplinary Computer Science undergraduate with over three years of diverse experience in web scraping, graphic design, content creation, and software development. Skilled in Python, Game Development, web technologies, and creative tools like Figma, Photoshop, and video editing software. Demonstrated leadership as a designer in multiple student-led organizations and participated in national hackathons organized by the Google Developer Student Club. Committed to continuous learning, innovation, and creating impactful digital experiences that blend technology with creativity.

## Education

<b><i>BS Computer Science</i></b>	<b><i>2021-2025</i></b>
Forman Christian College (A Chartered university), Lahore.	
<b><i>Intermediate (I.C.S) (97.5%)</i></b>	<b><i>2019-2021</i></b>
Forman Christian College, Lahore.	
<b><i>Matriculation</i></b>	<b><i>2017-2019</i></b>
Government Muslim High School, Lahore.	

## Experience

<b><i>Web Scraping Developer</i></b>	<b><i>Aug 2024</i></b>
<ul style="list-style-type: none"><li><i>1 year of hands-on experience in developing custom web scraping solutions using Python and Scrapy.</i></li><li><i>Extracted structured data from dynamic and static websites for various clients.</i></li></ul>	
<b><i>Computer Science (Temporary Teacher)</i></b>	<b><i>Nov 2024</i></b>
<ul style="list-style-type: none"><li><i>Conducted Computer Science classes for First Year ICS students at Forman Christian College (A Chartered University).</i></li><li><i>Delivered engaging lessons covering foundational programming concepts.</i></li></ul>	
<b><i>Intern</i></b>	
Admission Office Campaign, Forman Christian College University	<b>2021,2022 and 2023</b>
<ul style="list-style-type: none"><li>Supported admission-related tasks during campaign drives.</li></ul>	
<b><i>Work Study Student</i></b>	<b><i>2021-2025</i></b>
Ewing Library, Forman Christian College University	<b>2021-2022</b>
<ul style="list-style-type: none"><li>Maintained and organized database records.</li><li>Assisted in daily operations of the library.</li></ul>	
Chapel Office, Forman Christian College University	<b>2022-2025</b>
<ul style="list-style-type: none"><li>Assisted in administrative tasks and managed database operations.</li><li>Worked as a Graphic Designer for various communication and event needs.</li></ul>	

## Volunteer

### Graphic Designer Roles:

- *Graphic Designer, Society of International Affairs* – 2022
- *Merchandise Designer, TEDxFCCU* – 2022
- *Lead Graphic Designer, ACM Chapter FCCU* – 2023
- *Lead Graphic Designer, Young Entrepreneurial Platform* – 2023

## Projects and Research Papers

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### Projects:

- **Eye Tracking Wheelchair (Final Year Project- Nominated as a Best Project)**
  - *Technologies: Eye-tracking algorithm, Embedded Systems, Python*  
Designed and developed a wheelchair system controlled by eye gaze movement to assist individuals with severe mobility impairments, promoting independence and accessibility.
- **Facial Attendance Monitoring System**
  - *Technologies: Python, TensorFlow, Deep Learning*  
Developed a real-time face detection and attendance system for classrooms or secure workspaces.
- **Bus Management System**
  - Created a software system to manage bus routes, schedules, and student assignments for university transportation.
- **ArtHub Website**
  - *Technologies: WordPress, Figma*  
Designed and developed an online platform to showcase digital art portfolios and connect artists with clients.
- **FPS Game (Demo Available on Demand)**
  - *Technologies: Godot Engine, C#, GD Script*  
Developed a first-person shooter game demo with custom game mechanics and environment.
- **Two-Factor Authentication GUI in Windows**
  - *Technology: Python*  
Built a secure two-factor authentication interface for login systems.
- **ChatBot**
  - *Technologies: React, Django, MySQL*  
Developed a conversational AI chatbot for customer support or academic queries.

### Research Papers:

- **Two-Factor Authentication Implementation in Linux**
- **Can Virtual Reality Be a Capable Substitute for Actual Reality?**
- **From Concept to Startup: A University Spinoff Journey in Assistive Mobility Innovation**

### Case Study:

- **From Concept To Startup: A University Spinoff Journey In Assistive Mobility Innovation**

## Awards & Achievements

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- **Participated in Hackathons** organized by the **Google Developer Student Club (GDSC)** – Demonstrated problem-solving and coding skills in competitive tech events.
- **30th International Kangaroo Mathematics Contest (IKMC) – 2020** – Earned distinction in an international mathematics competition.
- **Awarded Bible Study Leader** by the **Christian Life Program** at Forman Christian College University – Recognized for leadership and contribution to spiritual life and mentoring.

## Co-Curricular Activities

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- **Video Editor** – Edited event recaps, promotional content, and academic videos
- **Beatmaker** – Composed original beats for digital content and performances
- **Content Creator** – Produced engaging visuals and media for online platforms and student societies

## Skills & Interests

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**Programming Languages:** Python (OOP), C#, GD Script, C++

**Game Development:** Godot (C#, GDScript)

**Web Development:** HTML, CSS, JavaScript, Django, React, WordPress

**Data & AI:** Web Scraping (Scrapy), Deep Learning, TensorFlow

**Tools & Platforms:** GitHub, MySQL, Netlify, Google Colab

**UI/UX & Design:** Figma, Adobe Illustrator, Adobe Photoshop

**Productivity:** MS Office (Word, Excel, PowerPoint), Internet Research

**Languages:** Punjabi, English and German

## Core Competencies

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|--------------------------------|----------------------------------|--------------------|-----------------------------------|
| • Software Development         | • Problem Solving & Innovation   | • Microsoft office | • Team Collaboration & Leadership |
| • Graphic Design               | • Web Scraping & Data Extraction | • UI/UX Design     | • Creative Media Production       |
| • Communication & Presentation | • Game Development               |                    |                                   |