

Parmeet Singh Ghai

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Summary

Enthusiastic and detail-oriented professional seeking an entry-level position in Application Support. Passionate about understanding how software and systems work, solving real-world technical issues, and ensuring smooth user experiences. My background in computer science and love for electronics and problem-solving help me troubleshoot, analyze, and resolve issues efficiently while continuously learning new technologies.

Education

Master of Computer Applications (MCA)

Lovely Professional University, Phagwara, Punjab — 2016–2021

CGPA: 8.15 (73.35%), First Division

Foundation Level Certification in Software Testing

ISTQB — 2014

Passing Percentage: 75%

Bachelor of Computer Applications (BCA)

Guru Gobind Singh Indraprastha University, New Delhi — 2006–2010

Percentage: 66.42%, First Division

Projects

- PSGDriveSync – Sync Client for Google Drive

A Windows C# (.NET Framework 4.8) application for real-time file synchronization between local and Google Drives. Features AES-256 encryption, automated conditional sync, and secure database storage.

- • Real-time operations: Cut, copy, move, encrypt, and sync instantly.
- • Conditional Sync: Filter-based automation using time, size, or file type.
- • Database Encryption: AES-256 with HMAC-SHA256 verification.

- DoomBuggies 3D Game

A 3D third-person shooter built in C++ using OpenGL 4.6. Designed without a game engine to deepen understanding of rendering and performance optimization.

- • Dynamic difficulty scaling: enemies speed up over time.
- • Custom OpenGL rendering pipeline.
- PSG Password Manager

A Windows password manager built in C# with AES-256 encrypted vaults, random password generation, and decoy camouflage vaults for enhanced security.

- • Encrypted storage with master password.
- • Customizable password generation up to 2000 characters.
- • Decoy vault creation feature.

Skills

C#, .NET Framework 4.8, Python, SQL, Linux, Bash Scripting, HTML, JavaScript, Blender 3D, OpenGL and Data Structures and Algorithms.

Excellent Communication Skills, Teamwork, Planning & Organization, Creative Thinking and Self Motivated.

Languages

Hindi: Native (ILR Level 5)

English: Full Professional Proficiency (ILR Level 4+)

Hobbies & Interests

Playing & Reviewing Video Games, Game Development & Coding, 3D Modelling with Blender, Binge Watching TV Shows, Listening to Music & Podcasts, Keeping Fit with Physical Exercise