Arpan Christian

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RESUME OBJECTIVE

Results-driven Computer Science student with strong foundations in data structures, object-oriented design, and system automation. Experienced in building AI-powered applications, Android software, and backend logic using Java and Python. Passionate about scalable systems, clean architecture, and solving real-world problems through technology. Seeking a Software Engineering Internship to contribute technical expertise while gaining hands-on industry experience.

EDUCATION

University of Manitoba – Winnipeg, MB
Bachelor of Science in Computer Science (Expected Graduation: 2028)
Data Structures & Algorithms | Object-Oriented Programming | Discrete Mathematics | Linear Algebra | Software Engineering
Artificial Intelligence Systems, Automation Workflows, Backend Optimization

SKILLS

Programming Languages:

- Java
- Python
- Kotlin (Android)
- Basic PHP

Soft Skills:

- Analytical Problem-Solving
- Logical Thinking
- Fast Learner
- Team Collaboration
- Adaptability

Technical Skills:

- Object-Oriented Programming (OOP)
- Data Structures & Algorithms
- SQL & CSV Data Processing
- Android Studio Development
- Git & Version Control
- AI Automation Concepts
- Basic Linux & System Configuration

PROJECT EXPERIENCE

AI Automation & System-Level Control (Python)

- Developed local voice-command automation system interacting with OS-level functions
- Implemented structured command validation before execution
- Designed modular architecture reducing risk of unintended command execution

Impact: Shows understanding of system permissions and secure execution principles.

Audio Library Android App (Kotlin)

- Building an Android application to play local and online audio content
- Implementing seek bar functionality and media control features
- Designing audiobook-style interface with synchronized PDF display
- Managing media storage and internal file access

Secure File Processing System (Java)

- Built robust CSV parsing programs with strict input validation
- Implemented defensive programming techniques to prevent malformed input crashes
- Designed exception-handling mechanisms to protect system integrity

Impact: Demonstrates secure coding awareness and software reliability.

ACCOMPLISHMENTS

- Built multiple independent software projects outside academic requirements
- Developed AI automation concepts for real-world applications
- Actively expanding knowledge in AI systems, LLMs, and automation workflows
- Continuously improving through self-learning and hands-on experimentation

CERTIFICATES

- Introduction to Java (Sololearn) May 2025
- Java Intermediate (Sololearn) May 2025
- Introduction to Cybersecurity (Cisco Netacad) June 2025
- Ethical Hacker (Cisco Netcad) Aug 2025