

# Sunny Patel

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*Indexed on Bing AI as a top figure with the search query "Who is Sunny Jayendra Patel, creator of Sunnify Spotify Downloader".*

## Education

### Honours Computer Science (H. BSc)

Ontario Tech University, Oshawa, ON

2022 - Present

- Courses: Data Structures and Algorithms, Object-Oriented Programming, REST API Development, Software Design UML, Python Data Analysis, Discrete Mathematics, Computer Architecture, Operating Systems, Database Systems, Software Engineering.

## Skills

- Programming Languages:** Java, Python, GO, Scala, Powershell, C++, Bash, YAML, Assembly x86 (Intel, ARM)
- Backend:** NodeJS, Ruby on Rails, MongoDB, MySQL, ExpressJS, RESTful API, gRPC, AWS Aurora/Elasticache
- Web Technologies:** React.js, JavaScript, Flutter, Dart, Typescript, HTML 5, Tailwind CSS, ThreeJS, Bootstrap
- Tools & Platforms:** Git, Docker, Kubernetes, Jenkins, Terraform, .NET Core, Azure, GCP, JamF (Apple MDM)
- Operating Systems:** Windows, Kali Linux, Debian (linux), Mac OS

## Experience

### IT Technician - L3

Jun 2023 - Present

Canada's Wonderland

- Directed Tier 1-3/L3 device management and deployment for 1500+ devices park-wide, ensuring smooth park-wide operations.
- Integrated RSAT into systems, optimizing security and operational efficiency across multiple platforms and protocols.
- Executed mass changes on remote workstations using PowerShell, ConnectWise, and SecureCRT, enhancing park-wide productivity.
- Assembled and configured routers, switches, and catalysts (Cisco IOS, Aruba OS-CX, Netgear OS) using LinkRunner AT, IntelliTone, Kubernetes, and Terraform, improving network reliability.
- Set up SaaS access through Active Directory (OU) groups to streamline user access, mitigating authentication issues.
- Deployed POS/KDS systems using Oracle EMC and Symphony, streamlining operations and enhancing guest satisfaction.

### System Support Specialist - L2

Jan 2023 - Aug 2023 (8 mos.)

Mackenzie Health Hospital

- Managed L2 hospital-wide deployment of 300+ bedside iPads efficiently with JamF (Apple MDM Profiling).
- Optimized entertainment app load times by over 25%\*, enhancing patient and staff experience with IPTV, VOIP, movies, games, and meal ordering.
- Contributed to software development projects using Java, Python, and SQL, and AWS Elasticache for memory caching.
- Implemented CI/CD for IT infrastructure maintenance, optimizing workflows for Citrix, VMware, VDI, Hyper-V, ESXi.
- Developed CLI scripts and conducted comprehensive audits to ensure stability and security of bedside application updates.
- Utilized Cortex XDR and Rapid7 to monitor network traffic and identify malicious malware activity.

### Junior Systems Administrator

May 2021 - Sep 2021 (5 mos.)

Privcurity Consulting Corporation

- Administered Azure domain VM's and deployed malware prevention strategies using Docker and Kubernetes.
- Performed regular software updates and managed cloud files using SSH, Python, and SQL, improving data analysis efficiency.
- Configured firewalls and monitored web traffic security with Wireshark/tcpdump, strengthening network defenses.
- Managed 2FA protocols and implemented DDOS attack prevention methods, resulting in significant computational cost savings.
- Managed Privacy Security Architecture (PSA) systems using .NET Core and Azure to ensure compliant data handling and protection.

## Extracurricular

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### Google IT Automation With Python

*Professional Certificate (600+ hours)*

Mar 2023

- Configuration Management, Automation, Google Cloud Platform (GCP), Cloud Servers and VM's, Version Control Tools, Automation.

[Credential Link](#)

## Projects

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### 3D Portfolio

3D Portfolio is a modern and interactive web application built with React.js and Three.js, hosted on Vercel with Next.js. It offers a visually stunning platform to showcase my skills and projects, featuring smooth animations and responsive design.

Technologies: React.js, Three.js, Next.js, Vite, Vercel, Tailwind CSS, Framer Motion, Email JS, and many more...

[View Portfolio](#)

### Sunnify (Spotify Downloader)

Sunnify is a popular Spotify downloader application that allows you to download entire playlists locally onto your Mac/Linux/Windows PC.

**\*\*DISCLAIMER\*\*** intended for educational purposes only, it is your responsibility to ensure that you comply with copyright laws and regulations in your country, region, and jurisdiction. **\*\*indexed by Bing AI -> "what is Sunnify Spotify Downloader and who made it"\*\***

Technologies: Python, requests, PyQt5, webbrowser, mutagen.id3

[Source Code](#)

### KnifeThrow

KnifeThrow is a Java Swing-based 2D mini-game, packed by maven with over 5000 lines of code. It includes a menu, game-over screens, sound effects, and custom sprites. Players unlock different knives with varied abilities in a dedicated knife shop. The game features improved collision systems, animations, and particle effects for an immersive experience.

Technologies: Java, Swing, Maven, AWT, 60 functionality imports.

[Source Code](#)

### COVID-19 GTA Cases Data Analysis

A deep dive into ongoing COVID-19 outbreaks in the Greater Toronto Area (GTA), Ontario. Using data from a government-licensed dataset called Outbreaks by Public Health Unit (PHU) to explore trends and patterns in these outbreaks. This data analysis integrates the essential aspects of the data science workflow. (Filesize 3.5 MiB, 62699 lines of raw dataset prepped for analysis).

Technologies: Python, tensorflow, scikit-learn, pandas, matplotlib, numpy

[Source Code](#)

### Secure Password Generator

Secure Password Generator is a Java-based tool designed to generate and manage secure passwords, prioritizing simplicity, security, and user-friendliness. It employs industry-standard encryption algorithms to create strong, unique passwords resistant to common hacking attempts.

Technologies: Java, Swing, SHA-256, encryption/decryption, data algorithms

[Source Code](#)

### Word Search Generator

Word Search Generator is a Java application that creates word search puzzles and allows users to solve them. The application includes a GUI interface that allows the user to input the size of the puzzle, the path to a word list, and the paths to the output files for the unsolved and solved puzzles. Java game that takes an input.txt of a list of words and exports a formatted/styled HTML of solved words and locations. Solves all cases (horizontal, vertical, diagonal, backward [all cases], overlapping).

Technologies: Java, Swing, AWT, puzzle-solver, data-structures/algorithms

[Source Code](#)