

# 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, React-Three.js portfolio".*

## 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, C++, Powershell, Assembly x86 (Intel, ARM)
- **Backend:** NodeJS, MongoDB, MySQL, ExpressJS
- **Operating Systems:** Windows, Kali Linux, Debian (linux), Mac OS
- **Web Technologies:** JavaScript, React JS, HTML 5, Tailwind CSS, Flutter, Dart, ThreeJS, Bootstrap, Typescript
- **Tools & Platforms:** Git, Maven, Gradle, Docker, Azure, AWS, GCP, JamF (Apple MDM), .NET Core

## Experience

### IT Technician - L3

Jun 2023 - Present

Canada's Wonderland

- Managed Tier 1-3/L3 device management and deployment for 1500+ devices park-wide.
- Integrated RSAT into systems covering LDAP, GPO, FTP, NAS, AP Clusters, Bitlocker Boot Sectoring, and more.
- Utilized PowerShell, ConnectWise scripting, and SecureCRT for executing mass changes on remote workstations.
- Assembled and configured routers, switches, and catalysts (Cisco IOS, Aruba OS-CX, Netgear OS) using LinkRunner AT/IntelliTone.
- Set up SaaS access through Active Directory (OU) groups to streamline user access.
- Deployed POS/KDS systems using Oracle EMC and Symphony.

### 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%\* offering IPTV, VOIP, movies, games, and meal ordering.
- Contributed to software development and maintenance using Java, Python, and SQL.
- Performed CI/CD on system maintenance for IT infrastructure, including Citrix, VMware, VDI, Hyper-V, ESXi technologies.
- Scripted CLI for system services resolution and conducted comprehensive audits for bedside application code updates.
- Utilized Cortex XDR to monitor network traffic and identify malicious malware activity.

### Junior Systems Administrator

May 2021 - Sep 2021 (5 mos.)

Privacurity Consulting Corporation

- Administered virtual machines on Azure AD domain and deployed malware prevention strategies.
- Performed regular software updates and managed cloud files using SSH, Python, and SQL for analysis.
- Configured firewalls and monitored web traffic security with Wireshark/tcpdump.
- Oversaw 2FA protocols and contributed to deploying DDOS attack prevention measures.
- Managed Privacy Security Architecture (PSA) systems to ensure compliant data handling and protection.

## Extracurricular

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### Google IT Automation With Python

Mar 2023

Professional Certificate (600+ hours)

- 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](#)