

# Apurva Raj

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## CAREER OBJECTIVE

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Motivated B.Tech graduate from VIT University (8.97 CGPA), bridging the gap between Full Stack development and cybersecurity. Equipped with strong programming capabilities in Java and Python alongside remote internship experience in SOC incident analysis, SIEM tools (Wazuh), and network infrastructure. Eager to leverage technical proficiency and compliance awareness (GDPR/DPDP) to build and maintain secure, scalable applications.

## EDUCATION

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### VIT University

*B.Tech in CSE*

2019 – 2023

- Relevant Coursework: Software Development Fundamentals, Operating Systems, Computer Networks

### Amrita Vidyalayam

*Class XII*

Kolkata

2019

## EXPERIENCE

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### Junior Analyst

August 2025 – November 2025

*fnCyber*

*Remote*

- SOC & Incident Analysis: Monitored and analyzed security alerts using SIEM tools (Wazuh), performing incident triage and packet analysis via Wireshark to identify potential threats.
- Security Infrastructure: Gained hands-on experience in system administration and networking, managing firewall basics and endpoint security to maintain a hardened environment.
- Compliance & Frameworks: Applied industry-standard ethical practices and compliance procedures, including GDPR and DPDP, within core Security Operations Center (SOC) workflows.

## PROJECTS

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### Video Summarizer | *Node.js, Express, Whisper AI, LLaMA 3, ffmpeg* | [GitHub](#)

2026

- Built a full-stack AI web application that transcribes and summarizes MP4 videos and YouTube URLs using Groq's Whisper Large V3 and LLaMA 3.3 70B models via a Node.js/Express REST API.
- Engineered a smart audio chunking system using ffmpeg to automatically split audio files exceeding Groq's 25MB API limit, enabling accurate summarization of videos of any length.
- Integrated yt-dlp for direct YouTube URL support alongside local MP4 uploads, with a clean two-tab frontend built in vanilla HTML, CSS, and JavaScript.

### Time Tracker | *Python, Flask, SQLite, pandas, Chart.js* | [GitHub](#)

2026

- Built a Windows desktop app that detects the active window title every 5 seconds and auto-categorizes screen time into productive categories (Coding, Meetings, Browsing, etc.) using keyword matching.
- Designed a SQLite database schema and wrote Python functions to persist and query session data using raw SQL, enabling daily usage reports with a text-based bar chart in the terminal.
- Built a Flask REST API with two JSON endpoints that serve categorized time data to a browser-based dashboard, demonstrating full-stack integration between a Python backend and a web frontend.
- Created an interactive web dashboard using Chart.js displaying a doughnut chart and live session log with 30-second auto-refresh, giving real-time visibility into daily productivity.

## EXTRACURRICULAR ACTIVITIES

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**Vice President**, Null Chapter (Student Cybersecurity Organization) – Spearheaded technical workshops on cybersecurity fundamentals and organized Capture the Flag (CTF) competitions.

2019 – 2020

## TECHNICAL SKILLS

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**Languages:** Java, Python, SQL (MySQL), JavaScript, HTML/CSS

**Frameworks:** React, Node.js, Express.js, Flask, WordPress

**Developer Tools:** Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Wireshark, Wazuh

**Libraries:** pandas, NumPy, Matplotlib