

ALLEN JOHN JOY

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 Chalakudy

 <https://github.com/AllenJohnn>

 <https://allenjohn-portfolio.vercel.app/>

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Profile

MCA candidate with strong proficiency in Python, full-stack web development, and foundational machine learning. Experienced in developing scalable applications using Flask, Angular, React, and SQLAlchemy, with additional strengths in software quality assurance and test automation practices. Detail-oriented, quick to adapt to new technologies, and committed to delivering efficient, reliable software solutions.

Projects

Wrapped Revanced — Spotify Wrapped-Style Analytics Tool

- Built a full-stack music insights tool that recreates Spotify Wrapped on demand.
- Developed the frontend with **React + Vite**, using **Framer Motion** for smooth animations and a Spotify-inspired UI.
- Implemented a **Flask + Python** backend with **Spotify** and **Spotify OAuth 2.0** for secure data access.
- Generated analytics for **Top Tracks**, **Top Artists**, and a **shareable summary card**, optimized for fast rendering.

Personalized Medicine Recommending System

- Developed a recommendation system to suggest alternative medicines by leveraging **cosine similarity** on user input, aiding accessibility to similar medication options.
- Implemented text preprocessing and vectorization using **NLTK** and **scikit-learn** to ensure accurate matching and meaningful recommendations.
- Designed an interactive web interface using **Flask**, allowing users to easily input medicine names and receive real-time suggestions.

Skills

Technical Skills

- **Programming Languages:** C, Python
- **Web Technologies:** HTML, CSS, React.js, Angular, Flask
- **Backend & Frameworks:** Flask, Node.js
- **Databases:** MySQL, SQLite
- **Machine Learning Tools:** Scikit-learn, NLTK

Soft Skills

- Adaptability
- Problem-Solving
- Strong Work Ethic
- Team Collaboration
- Communication
- Time Management
- Attention to Detail

Certificates

• Machine Learning with Python

Coursera (IBM) (2025)

• Cambridge English Business Certification

Business English Certificate Preliminary (BEC-P)
Certification (2022-23)

Education

2022 – 2025

BACHELOR OF COMPUTER APPLICATION

Sahridaya College Of Advanced Studies Kodakara

2021 – 2022

HIGHER SECONDARY | BIOLOGY WITH INFORMATION PRACTICES

Crescent Public School Chalakudy