

# ALLEN JOHN JOY

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📍 Chalakudy

🌐 <https://github.com/AllenJohnn>

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

🌐 [www.linkedin.com/in/allenjohnjoy](https://www.linkedin.com/in/allenjohnjoy)

## Profile

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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

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### 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 **Spotipy** 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

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### 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

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### • Machine Learning with Python

Coursera (IBM) (2025)

### • Cambridge English Business Certification

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

## Education

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2022 – 2025

**BACHELOR OF COMPUTER APPLICATION**

*Sahrdaya College Of Advanced Studies Kodakara*

2021 – 2022

**HIGHER SECONDARY | BIOLOGY WITH INFORMATION PRACTICES**

*Crescent Public School Chalakudy*