

ALLEN JOHN JOY

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📍 Chalakudy

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Profile

MCA student with hands-on experience in full-stack web development using Flask, React, and Angular. Strong foundation in Python, SQL, and machine learning concepts with experience building real-world projects focused on performance, analytics, and automation.

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 **Spotipy** and **Spotify OAuth 2.0** for secure data access.
- Generated analytics for Top Tracks and Artists, processing user listening data to create shareable summaries with optimized rendering performance

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:** Python, JavaScript
- **Frontend:** HTML5, CSS3, React.js, Angular
- **Backend:** Flask, Node.js
- **Databases:** MySQL, SQLite

Soft Skills

- **Adaptability**
- **Problem-Solving**
- **Team Collaboration**
- **Communication**

Certificates

• Machine Learning with Python

Machine Learning with Python – IBM (Coursera)

• Cambridge English Business Certification

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

Education

2025 – Present

MASTER OF COMPUTER APPLICATIONS

Federal Institute of Science And Technology (FISAT) Angamaly

2022 – 2025

BACHELOR OF COMPUTER APPLICATION

Sahrdaya College Of Advanced Studies Kodakara

2021 – 2022

HIGHER SECONDARY | BIOLOGY WITH INFORMATION PRACTICES

Crescent Public School Chalakudy