DEVIKA C V

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OBJECTIVE

Enthusiastic learner skilled in Backend Development and DSA, with a focus on building efficient and scalable solutions. Seeking an internship or entry-level backend role to apply my skills in algorithmic problem-solving and scalable backend development.

EDUCATION

KIT - Kalaignarkarunanidhi Institute of Technology — Coimbatore, TamilNadu
B.Tech Artificial Intelligence and Data Science. — **2022-2026**
Government Vocational Higher Secondary School: HSC. — Njarakkal, Ernakulam, Kerala
Little Flower High School: SSLC. — Njarakkal, Ernakulam, Kerala

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SKILLS SUMMARY

- Technical Skills: Python (Core), HTML , CSS (Basics).
- Framework: Django, Django REST(DRF).
- Database: PostgreSQL (Basics), Django ORM.
- Tools: Jupyter Notebook, VS Code, Git, Github.
- Deployment: Render.
- OS: Arch Linux, Windows 10, Windows 11.
- Soft Skills: Effective communication, proactiveness.
- Personality: Extroversion, confidence.
- Hobbies: Classical dance, reading books.
- Languages: Malayalam, English, Tamil.

WORK EXPERIENCE

DATA SCIENCE INTERN | Softronics | **LINK** — **July 05, 2024 – July 19, 2024**

- I gained hands-on experience in data analysis, machine learning, and programming.
- Built and optimized classification, regression, and recommendation models on datasets with up to 10,000 records using Python and Scikit-learn.

PROJECTS

SAR Image Colorization — **July 2025 - Present**

- Developing a deep learning solution under Smart India Hackathon 2024 to convert grayscale SAR (Synthetic Aperture Radar) images into meaningful color images for better analysis in the Space & Research domain.
- Using deep learning to add color to SAR images, making them easier to understand for researchers and analysts.

Simple E-commerce Application | **LINK** | **LIVE** — **May 2025 – June 2025**

- A backend system that supports online shopping functionalities such as listing products, managing carts, and placing orders.
- Handled product-related data and user activities through RESTful APIs using Django REST Framework.
- Useful for understanding the working of real-world e-commerce systems; used tools include Django, SQLite, and Postman.

URL Shortening Site | **LINK** | **LIVE** — **February 2025**

- A web-based platform that turns long URLs into short, easy-to-share links with automatic redirection.
- Tracks how many times each short link is used, making it useful for monitoring link performance.
- Implemented using Django, HTML/CSS, and integrated link analytics for basic tracking.

Real-time Polling App | **LINK** | **LIVE** **April 2025**

- Allows users to create polls, vote, and view live results instantly without page reload.
- Real-time updates were enabled using WebSockets via Django Channels along with REST APIs for poll operations.
- Designed for interactive voting experiences using Django, Django Channels, and WebSocket technology.

Contact Book API | **LINK** | **LIVE** **December 2024**

- A digital address book system that allows storing, updating, and removing contact details via API endpoints.
- Each contact includes name, phone number, and email, managed through structured HTTP requests.
- Aimed at learning API design and data handling using Django and SQLite with Postman for testing.

Music Playlist Manager (Linked List Implementation) | **LINK** | **LIVE** **September 2024 – October 2024**

- A music playlist structure where users can go to the next or previous song, similar to a real media player.
- Logic was based on a singly linked list to manage track order and movement efficiently.
- Built to simulate playlist functionality using core Python concepts and Flask for API interaction.

Speech Emotion Recognition | **LINK** **August 2024 – September 2024**

- Attained 89% accuracy in classifying emotions from voice inputs, accurately identifying feelings like happy, sad, angry, and neutral using machine learning models
- Extracted key audio features (MFCCs and Mel Spectrograms) from 25,000+ audio files and trained ML models for precise emotion detection.
- Useful for applications in mental health and human-computer interaction, using tools like Python, Librosa, and scikit-learn.

CERTIFICATES

Data Mining (NPTEL) | **CERTIFICATE** **March 2024**

Machine Learning (Altair) | **CERTIFICATE** **May 2023**

Foundations of Data Science (Coursera) | **CERTIFICATE** **October 2024**

Web Development Foundation (Infosys) | **CERTIFICATE** **May 2024**