

TEJONIDHI M

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Passionate about creating AI-powered applications, scalable web platforms, and mobile apps to solve real-world problems efficiently.

PROFESSIONAL EXPERIENCE

Apsis Solutions – Mobile Application Development(Intern)

Feb 2026 – Present

- Developed cross-platform mobile and web interfaces using Dart (Flutter), HTML, CSS, and JavaScript, creating responsive screens and improving usability across different devices.
- Worked on a Home Automation system to monitor and control smart appliances, implementing device control logic, user interaction workflows, and backend communication
- Built a real-time Weather Forecast application by integrating third-party REST APIs, handling asynchronous data, parsing JSON responses, and updating UI dynamically
- Supported backend and maintenance tasks including debugging, performance optimization, basic Django API handling, and collaboration using Git version control

Technologies: Dart (Flutter), HTML, CSS, JavaScript, REST APIs, Git

PROJECTS

Vaccine Reminder and Health Record Management System



- This project demonstrates a **full-stack Flask application** with real-world use cases such as authentication, database management, file uploads, and dashboard-based data visualization.
- Developed a **full-stack web application** using Flask, Python, MongoDB, HTML, CSS, and JavaScript to manage vaccination records for users and their family members.
- Designed and implemented **CRUD operations** (Create, Read, Update, Delete) for vaccination data, including person details, vaccine name, vaccination date, and next dosage date.
- Built a **document upload feature** supporting PDF and image files (JPG, PNG) to store vaccination proof securely on the server and link it with database records.

Tech Stack: Python, Flask (Web Framework), HTML5, JavaScript, MongoDB.

Real-Time E-commerce Data Analytics Pipeline



- Designed and implemented a real-time data pipeline using Kafka, Spark Streaming, and PostgreSQL for live order analytics with low (5-second) micro-batch latency.
- Built Django REST APIs for data ingestion and integrated a React dashboard for real-time visualization of revenue, users, and product trends.
- Integrated Generative AI (Gemini-2.5-Flash) via a Django REST Framework backend, powering a React frontend dashboard to deliver real-time, Contextual Personalization insights based on user spending history and current product focus.

Tech Stack: Python, Django, Spark, Kafka, PostgreSQL.

IoT Home Automation mobile application



- Developed a cross-platform weather mobile app using Flutter (Dart) with modern Material UI, responsive layouts, and dark/light mode support.
- Designed and implemented intuitive Login and Signup screens with pixel-perfect UI, form validation elements, toggle switches, gradient buttons, and smooth page navigation.
- Built interactive UI components for managing home automation features such as device controls, switches, and user input states, focusing on usability and clean design.
- Utilized Stateful Widgets for handling UI state, navigation flow, animations, and real-time interaction feedback across multiple screens.

Tech Stack: Flutter, Dart, REST API, Provider, Navigator, Statefulwidgets.

TECHNICAL SKILLS

- **Programming Language:** Python, Dart, HTML, CSS, JavaScript .
- **Technologies:** Flutter, Django, REST APIs.
- **Databases:** MySQL, MongoDB, PostgreSQL.
- **Tools & Concepts:** Git, GitHub , Tableau, Power BI, Exploratory Data Analysis (EDA), Machine Learning Algorithms, Data Preprocessing, LLM APIs, Prompt Engineering, API Integration.

EDUCATION

ATME College of Engineering, Mysuru 2022-26

Bachelor of Engineering in CSE (Data Science)- 7.9 CGPA

Alvas PU College, Moodabidri, Mangaluru 2020-22

PCMB-85.33%

ADDITIONAL INFORMATION

Certifications

- **Introduction to Machine Learning –NPTEL**
- **Python Foundations Certification – Infosys Springboard**
- **Data Engineering Training – IVIS Lab**

Publications

• Published research paper “**A REVIEW ON REAL-TIME DATA PIPELINES FOR E-COMMERCE TRANSACTIONAL DATA ANALYTICS**” in EPRA International Journal of Research and Development (IJRD), Vol.10, Issue 8, Aug 2025

DOI: <https://doi.org/10.36713/epra23838>

- **Participation:** Participated in CODE-HUNT 2025, Vidyavardhaka College of Engineering
- **Languages Known:** English (Professional), Kannada (Native),Hindi (Moderate)
- **Interests :** Artificial Intelligence & Chatbot Development , Full-Stack Web & Mobile App Development Problem Solving & Learning New Technologies