

Pranav M

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EDUCATION

Model Engineering College

Bachelor of Technology in Computer Science and Engineering

Ernakulam, KL

Aug. 2023 – May 2027

EXPERIENCE

App Development Intern

trizlabz Pvt. Ltd.

March 2024 – July 2024

Thiruvananthapuram, KL

- Developed a Room Appliance Management Flutter Application, including and implementing Google Authentication through Firebase, Weather APIs using Geolocators and WiFi connectivity to connect to various appliances
- Implemented BLoCs for effective State Management, resulting in independent controlling of individual appliances
- Changed the original prototype from a Widget Based Architecture to a Page Based Architecture, improving state efficiency and widget mounting effectiveness

PROJECTS

CrisisCoOp | Flutter, Node.js

September 2024 – September 2024

- Developed a mobile app for resource allocation in places of distress and disasters with using Flutter for frontend and Node.js for the backend REST API service
- Inculcated features such as feed section for resource request with priority flairs, SOS Button for quick emergency response and a map showcasing areas affected with varying opacity
- Implemented backend routing using Node.js, creating various endpoints for precise data handling
- Included a self-trained AI model to prioritize resource allocation based on resource availability and the number of people per locality

truthTrace | Python, Langchain, Groq Llama3, Flask, BeautifulSoup, Flutter

June 2024 – July 2024

- A mobile app for basic fact checking, developed with Flutter and Langchain, implementing and integrating the Llama3 model to compare web scraped data with a user prompt, returning an accuracy percentage
- Scraped top 5 websites by using Google Search API
- Passed user prompt and relevant scraped data to the LLM to get an abstract, which is iterated again to obtain an accuracy percentage
- Wrapped the Langchain interface with Flask to get REST API endpoints, which is then integrated with the Flutter Frontend

RcordiX | Python, Streamlit, Spotify

May 2024 – July 2024

- Developed a Streamlit Application for Personalized Music Recommendation, relying on Spotify API
- Features include logging in with a Spotify Account and getting Artist and Track recommendations based on user specific playlists, including previewing of tracks and adding them to the user's Spotify playlist
- Added scope for API extension for connecting with a proper frontend

AttendEase | Python, Flask, BeautifulSoup, Flutter

April 2024 – July 2024

- Developed a full-stack attendance tracker mobile application using with Flask serving a REST API with Flutter as the frontend, gaining 300+ downloads in less than 5 days
- Implemented Web Scraping Techniques to get attendance, subject and user data from college management website
- Developed formulas for displaying Number of Classes that can be skipped safely and Number of Classes to be attended for reaching a specific percentage
- Implemented user login with college credentials

VOLUNTEERING

Tech Lead

TinkerHub MEC

August 2024 – Present

Model Engg. College, KL

TECHNICAL SKILLS

Languages: C/C++, Java, Python, Dart, JavaScript, Kotlin

Frameworks: Flutter, React.js, Next.js, Node.js, Flask, Django, Streamlit, LangChain

Developer Tools: Git, Docker, Firebase, VS Code, GitHub, Postman, Android Studio

Databases: Firestore, MongoDB, PostgreSQL, MySQL, SQLite