CHINNA ROYYALA ARUN KUMAR

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PROFILE

Motivated and detail-oriented engineering student with hands-on experience in Android development, machine learning, and cloud-based systems. Adept at developing full-stack mobile applications and working with Python and SQL for data-driven solutions. Strong communication and collaboration skills gained through active volunteering and national-level competitions. Recently completed Excel certification and skilled in PowerPoint, enhancing data analysis and presentation capabilities.

EDUCATION

CMR COLLEGE OF ENGINEERINGAND TECHNOLOGY CGPA-8.53

Bachelor of Technology in ELECTORINCS AND COMMUNICATION ENGINEERING With Minor in DATA SCIENCE 2021-2025

NARAYANA JUNIOR COLLEGE 94%

Intermediate in MPC 2019-2021

PROJECTS

PARKING BASED APP:

I developed a parking management system that utilizes **Firebase Realtime Database** for efficient data management. The app includes features such as basic login and logout functionality, along with a dedicated page to track vehicle presence and absence. The login authentication is powered by **Firebase Authentication.**You can find the code for this project on my GitHub repository: https://github.com/cra-arun/PARKITEASY

AI AND ML-BASED PET FEEDING SYSTEM:

I developed an intelligent pet classification and feeding recommendation system using image recognition and machine learning. The system utilizes a CNN model built with TensorFlow to classify pet species from images and generate personalized feeding suggestions. A Python-based GUI using Tkinter allows users to upload datasets and pet images, and receive food recommendations. The application includes preprocessing, real-time training , and OpenCV-powered image handling. You can find the code for this project on my GitHub repository: https://github.com/cra-arun/AI-ML-pet-feeding-system

MEDI TRACK – SMART MEDICINE DISPENSER:

I created a smart medicine dispenser system designed for elderly care using IoT hardware and a connected Android app. The system features scheduled medicine dispensing via a servo motor, IR sensor-based detection of pill pickup, and real-time alerts if medicine is not taken. The app is built with Android Studio and integrates Firebase Realtime Database for storing schedules and tracking logs, along with Firebase Cloud Messaging for sending notifications. You can find the code for this project on my GitHub repository: https://github.com/cra-arun/MediTrack

ACCOMPLISHMENTS

SAE National Level Competition:
Achieved 1st prize, showcasing project management and teamwork. view

B2B Project Hackathon:
Secured 2nd place by developing an innovative application. view

Ideathon at GNITS:
Actively contributed to brainstorming, problem-solving, and teamwork. view

48-Hour Hackathon in Bhopal:
Displayed resilience and technical expertise in a high-pressure environment. view

VOLUNTEERING

SAE
STREET CAUSE

CERTICATIONS

- Microsoft Excel Certification – Simplilearn view
- Salesforce Administrator Virtual Internship view
- SAE National Level Student Convention – Runner-Up view
- B2B Competition at CMRCET – Runner-Up view
- Embedded Developer Virtual Internship view
- Certificate of Participation and Completion - Python (Basics-Hackerrank) view
- Certified Smart Coder – Bronze Certificate view

SKILLS

- **Technical:** Android Development, Python, Firebase, SQL, Cloud Firestore,C
- **Tools:** MS Excel, PowerPoint,Word
- **Soft Skills:** Communication, Teamwork, Presentation