

SUKUMAR RAYAPATI

Backend Developer | Android Developer

Contact Information:

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Portfolio: <https://sukumar1010.github.io/Portfolio/>

About Me

A passionate software developer with a strong foundation in Android development, backend engineering using Django, and machine learning. Skilled at solving problems using Python, and Java. Continuously learning and working on real-world projects in both mobile and AI domains. Committed to building smart, efficient, and user-friendly applications.

Skills

Python, Kotlin, Java, Django, SQL, Jetpack Compose, Git, Scikit-Learn, Data Structures & Algorithms, Flask, FastAPI

Projects

- Photo Web Application

Developed a dynamic photo web application using Django for backend and HTML/CSS for frontend. Implemented image storage, retrieval, and intuitive UI features.

- Find Blood Donor App

Built a life-saving Android application to connect blood donors with recipients. Integrated location-based search and donor availability tracking using Jetpack Compose.

- Cancer Classification using Deep Learning (Group Project - 4 Members)

Designed and implemented a multi-cancer classification system using CNN and transfer learning. Classified brain, leukemia, lung/colon, and breast cancer using separate models. Used a confidence-based ensemble strategy to output the most probable cancer type from medical images.

- Human vs. Animal Image Classification using CNN

Developed a CNN model to distinguish between human and animal images with high accuracy. Implemented convolutional layers for feature extraction and dense layers for classification.

- Expense Tracker App

Created an Android-based expense tracker with features to manage, visualize, and analyze daily expenditures. Designed using Material Design principles.

Education

B.Tech, CSE (AIML) - Sree Vidyanikethan Engineering College (2021 - 2025)
Intermediate, MPC - Sree Chaitanya Junior College (2019 - 2021)
SSC - Sri Sai Ram School (2018 - 2019)

Certifications

AIML Virtual Internship on Eduskill
Internship in Android Development at Plasmid