

# Sukumar Rayapati

Backend Developer | Android Developer

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## 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, Kotlin, 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, TensorFlow, Jetpack Compose, Git, Scikit-Learn, Pandas, 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

Salesforce Admin Virtual Internship certification

AIML Virtual Internship on Eduskill

Internship in Android Development at Plasmid