Sanjai Prabhakaran

sanjaiprabhakaran.official@gmail.com | 9025168074 | Dindigul, Tamil Nadu

EDUCATION

PSNACET DINDIGUL
B.Eng in ECE (7.3 up to 5th sem)
Expected June 2025 | Dindigul, India

PUBLIC PROFILES

GitHub:// sanjaioffi
LinkedIn:// Sanjai Prabhakaran

COURSEWORK

- Python Programming
- AI/ML Fundamentals
- Flutter App Development
- Data Structures & Algorithms

SKILLS

PROGRAMMING LANGUAGES:
Python • Java • Dart • C

FRAMEWORKS:
Flutter • FastAPI • Spring Boot
• TensorFlow

DEVOPS TOOLS:
Git • GitHub

AI/ML:
Machine Learning • Deep Learning

HONORS

START-UP
• Received the Best Idea award from our Institution
• Secured funding of 300,000 rupees from the Ministry of AYUSH for project development.

GROUPS

GOOGLE DEVELOPER STUDENT CLUB
• Technical Member GDSC PSNACET May 2022 - May 2023
• Mentored 100+ students in Flutter App Development.

IITM BUILD CLUB
• Technical Member Build Club PSNACET June 2023 - present

EXPERIENCE

MINISTRY OF AYUSH | Flutter Developer
Mar 2023 – Oct 2023
- Built an Ayurvedic smartwatch that communicates with a full-stack Flutter app built using clean architecture.
- Orchestrated the development team in executing a comprehensive Agile methodology, resulting in a 25% increase in project completion rate.
- Integrated BLE technology to enhance real-time data synchronization.

COSYUGMA INFO | software engineering intern
Mar 2023 – Jul 2023
- Integrated AWS REST APIs with a Flutter front-end for a lawyer hiring platform, enhancing app functionality and performance.
- Developed and tested responsive user interfaces, resulting in a 25% increase in user engagement and seamless back-end operation.

ACHIEVEMENTS - PROJECTS

MADURAI TECH COMMUNITY HACKATHON 2023 (RUNNER)
Among Top 50 Teams
Aug 2023 | Thiagarajar College, Madurai
- Designed an Android application using Flutter to visualize ward boundaries in Madurai city.
- Integrated a user-friendly feature for residents to report civic issues and feedback within the app, boosting community engagement by 35%.
- Integrated the Google Maps API and Firebase back-end to enable real-time mapping and data synchronization.

UNESCO INDIA AFRICA HACKATHON 2022 (WINNER)
1st Place among 6 Teams
Nov 2022 | Gautam Buddha University, Noida
- Developed a mobile application using Flutter for real-time plant disease prediction using Deep Learning.
- Used a Convolutional Neural Network model to achieve better disease detection accuracy.
- Utilized TensorFlow Lite for efficient on-device model deployment, minimizing latency and data transfer.

SMART INDIA HACKATHON 2022 (WINNER)
1st place among 6 teams
Aug 2022 | Amal Jyothi College of Engineering , Kanchirappali
- Engineered a Flutter app with BLOC for BLE communication with ESP32, analyzing smartwatch health data.
- Built a FastAPI back-end with MongoDB Atlas for personalized Ayurvedic insights on mobile devices.
- Secured funding of 300,000 rupees from the Ministry of Ayush, facilitating the development of a marketable product.