

Mohanasundharam

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TECHNICAL SKILLS

Languages: Java, Dart, JavaScript, Python, SQL, Go

Technologies: React.js, Flutter, Spring Boot, Linux, Docker, Git, GitHub, NoSQL & SQL Database, HTML, CSS

Concepts: API, Component & Architecture Design Pattern, Service-Oriented Architecture, Data Structures and Algorithms

WORK EXPERIENCE

MINISTRY OF AYUSH | SOFTWARE DEVELOPMENT ENGINEER INTERN New Delhi, India | May 2023 – Nov 2023

- **Appointed** a team of 4 developers to design and implement a **smartwatch application** in **Flutter**, focusing on **modularity** and **reusability**, reducing **code duplication** by 60%.
- **Implemented robust software design patterns** to increase **development efficiency** by 80% and improve **software release cycles**.
- **Integrated NoSQL databases** to handle **large data volumes**, enhancing **system performance** by 25%.
- **Crafted** approximately 35 screens using the **Flutter cross-platform framework**, reducing **development time** by 50% and facilitating frequent **feature releases**.
- **Developed REST API endpoints** integrated with **machine learning models** to recommend **personalized health tips**, boosting **user satisfaction** by 20%.

PEACE MUSIC | SOFTWARE DEVELOPMENT ENGINEER INTERN

Remote | Mar 2023 - May 2023

- **Led** a team of 4 to develop a **music app** and a **betting app**, integrating **Firebase** for **authentication** and **data management**. **Streamlined workflows** and released the first version on the **Play Store** in 2 months, **50% faster** than average.
- **Created** 30+ responsive **UI components** for the betting app, enhancing **user experience**. Used **Provider** for code reusability and modularity, improving **performance** by 40%.
- **Optimized code efficiency, load times, and resource usage**, achieving 30% better performance with best practices in **version control** and **continuous integration**.

TECHNICAL PROJECTS

E-COMMERCE API 

SPRING BOOT, DOCKER, POSTGRES SQL, GIT, GITHUB, MAVEN | MAY 2024 - PRESENT

Developed an efficient **e-commerce** platform using **Spring Boot**, **Docker Compose**, and **SOA**, improving **efficiency** by 30%, with key features like **authentication**, **product management**, and **payment integration**.

SPOTSONG 

JAVA, MAVEN, GIT, GITHUB | JULY 2023

Developed **SpotSong**, a Java project using efficient **build tools**, **Git** for version control, and the **Spotify API**, enabling users to **download countless personal songs** from Spotify playlists with **optimal performance**.

ACHIEVEMENTS

Secured 3 Lakhs from **Ministry of AYUSH** for **Smart Watch**, showcasing funding expertise.

INDIA | 2023

Led Google Developer Students Club as **Flutter Lead**, organizing Flutter workshops and events.

INDIA | 2023

3rd Place Among 250 Teams across Tamil Nadu, **NASA Space App Challenges** (2022)

INDIA | 2022

Finalist Among 500 Teams across India, **Smart India Hackathon** (2023)

INDIA | 2023

Freelanced home service app for **1 lakh**, showcasing negotiation skills.

INDIA | 2023

Showcased presentation and prototyping skills, placing **3rd** among 30 teams at **IDEATHON 2022**.

INDIA | 2022

EDUCATION

Bachelor's Degree in Electronics & Communication, CGPA 7.5/10

Dindugal, India | Dec 2021 - Aug 2025

PSNA COLLEGE OF ENGINEERING & TECHNOLOGY