

Govarathan

<https://govarathan.github.io/port/>
govarathan02@gmail.com | +91 7200690655 | Chennai

EDUCATION

ANNA UNIVERSITY

B.TECH IN INFORMATION

TECHNOLOGY

June 2023 | Chennai, IND

College of Engineering Sri Ramanujar

Cum. GPA: 8.35 / 10.0

Major GPA: 8.5 / 10.0

LINKS

Facebook:// [govarathan](#)

Github:// [govarathan](#)

LinkedIn:// [govarathan](#)

Twitter:// [@govarathan](#)

COURSEWORK

GRADUATE

Java Application Development

Software Development

Data Structure and Algorithms

Android Application

Web Application

Web Hosting

Amazon AWS

SKILLS

PROGRAMMING

Over 3000 lines:

Advance Java • Kotlin

• Typescript • Javascript

React JS • Node JS • Express JS

• Spring Boot • ngrok

• Hibernate JPA • Spring MVC

Architecture • DSA • Android Studio

• Spring Boot • Web Services •

MicroServices • MVVM Architecture

Over 1000 lines:

HTML • Bootstrap • CSS • Angular TS •

Xml • Jsp • Vite

React JS • API • Postman

Database:

NoSQL • SQL • MongoDB • MySQL •

Firebase • Sqlite • Amazon AWS

[HTTPS://GITHUB.COM/GOVARATHAN](https://github.com/govarathan)

EXPERIENCE

THAAGAM FOUNDATION | SOFTWARE ENGINEER

Jun 2024 - Present | Chennai, IND

- Developed Android applications across projects, adhering to the Software Development Life Cycle (SDLC) processes.
- Engaged in microservice architecture development, contributing to scalable and efficient backend systems.

BLUE BALL TECHNOLOGY | ADVANCE JAVA INTERN

Sep 2023 – Nov 2023 | Chennai, IND

- Developed core Java skills including JDBC, Spring Boot, and Object-Oriented Programming concepts.
- Contributed to full-stack development projects, focusing on writing efficient code with an emphasis on time and space complexity.
- Worked on building and optimizing backend APIs and improving system performance.

ASMINDS TECHNOLOGY | SOFTWARE ENGINEERING INTERN

Jun 2023 – July 2023 | Chennai, IND

- Contributed to a Front-end Angular project, developing and optimizing user interfaces.
- Collaborated with a team to enhance application performance and user experience.
- Gained hands-on experience with modern web technologies and best practices in software development.

CERTIFIED COURSES

DATA STRUCTURES AND ALGORITHMS (INTERMEDIATE) | GREAT

LEARNING

Apr 2024 | Virtual

- Learned logical thinking and writing efficient code considering time and space complexity.
- Implemented data structures and algorithms, including binary tree, binary search tree, graph, and hashing.
- Focused on algorithms such as breadth-first search and depth-first search.

DATA STRUCTURES AND ALGORITHMS (BEGINNER) | GREAT

LEARNING

Apr 2024 | Virtual

- Covered fundamental data structures including ArrayList, LinkedList, Stack, Queue, and Vector.
- Learned logical thinking and efficient code writing.
- Applied basic data structures and algorithms to Java code.

JAVA-BASED APPLICATION DEVELOPMENT COURSE | GREAT

LEARNING

Apr 2024 | Virtual

- Completed a comprehensive course in Java-based application development.
- Emphasized logical thinking and efficient code writing.
- Integrated basic data structures and algorithms into Java projects.

PROJECTS

BEATSYNC | IoT AND ANDROID APPLICATION

Aug 2024 - Present

- Developed an IoT solution for Wear OS watches, facilitating seamless data transfer to a mobile application.
- Implemented heart rate data tracking and integration using Google Mobile Services (GMS) and Firebase for real-time syncing.
- Utilized Jetpack Compose to craft a modern, intuitive UI for the Android application, enhancing user experience.
- Designed and managed efficient data flow between wearable devices and mobile phones, ensuring reliable data handling.
- Leveraged Firebase for real-time data storage and syncing, ensuring high availability and low-latency performance.
- Integrated other database solutions alongside Firebase for enhanced data management and redundancy.
- Ensured robust data handling and secure transfer protocols to maintain data integrity across devices.

FOUNDATION FIELD APPLICATION | ANDROID APPLICATION

July 2024 - Aug 2024

- Developed a field-based Android application enabling users to capture photos and upload them to a server.
- Implemented a camera manager module using Kotlin and XML, optimizing the app to capture and compress images for efficient upload.
- Integrated libraries in Android Studio to manage memory efficiently, reducing image size without compromising quality.
- Optimized data transmission to ensure fast and reliable uploads, even in low-bandwidth scenarios.
- Collaborated with the team to improve the overall user experience, ensuring the app remained responsive under various network conditions.

FOUNDATION DONOR APPLICATION | ANDROID APPLICATION

June 2024 - July 2024

- Developed an interactive donor application, allowing users to contribute seamlessly to the foundation's causes.
- Worked across all major modules of the app, utilizing Java, Kotlin, and XML for efficient data handling and UI development.
- Implemented the payment system using the Razorpay Payment Gateway, providing secure and reliable transactions for donors.
- Optimized server communication to ensure smooth data transfers between the app and the backend.
- Collaborated on enhancing the app's overall performance, reducing load times and improving responsiveness for a better user experience.
- Focused on security aspects, particularly in payment processing and data management, to protect user information.

BILLING OF JETBLUE AIRWAYS (SPRING BOOT) | SPRING BOOT PROJECT

Nov 2023 - Nov 2023

- Developed a Spring Boot project for billing management of JetBlue Airways using MySQL and JDBC.
- Calculated total ticket cost based on passenger count.
- **GitHub** and **Demo**.

EMAIL API USING SPRING BOOT (CRM) | JAVA PROJECT

Nov 2023 - Nov 2023

- Developed a Customer Relationship Management (CRM) system using Spring Boot and JavaMailSender.
- Automated customer responses and increased product sales.
- **GitHub** and **Demo**.

JETBLUE AIRWAYS MANAGEMENT (CORE JAVA) | SPRING BOOT PROJECT

Oct 2023 - Oct 2023

- Developed a Spring Boot project for JetBlue Airways management using Core Java, JDBC, Maven, MySQL, and Bootstrap.
- Implemented data structures and algorithms for efficient data management.
- **GitHub** and **Demo**.

LIBRARY BOOK MANAGEMENT (MERN) | MERN PROJECT

Aug 2023 - Sep 2023

- Developed a MERN project for library book management using React, Express, Node, MongoDB, CSS, and HTML.
- Simplified book search and maintenance functionalities.
- **GitHub** and **Demo**.