

# GUNASEKHAR C

## Software Engineer

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📍 Namakkal - India

in [Linkedin](#)

🔗 [Github](#)

[Leetcode](#)

## EXPERIENCE

### Project Trainee

#### Zoho Corporation Private Limited

📅 Sep 2022 – Mar 2023

📍 Chennai, India

- Developed responsive **Web Applications** with **Java, JSP, Servlets, PostgreSQL, HTML, CSS, JavaScript, and AJAX** using **Tomcat**.
- Designed and Streamlined key modules (Login, Admin, User, Quiz, Poll, and Results) for a robust **Quiz Portal & Poll System**.
- Optimised existing code, implemented **CRUD** operations and focused on enhancing **security** constraints through **Single Sign-On, JWT, Session management, and Cryptography**.
- Engineered secure authentication mechanism using **cookie** and **embedded URL** methods within the **IAM** Department.

### Developer Intern

#### Huawei Technologies

📅 Jan 2022 – Jul 2022

📍 Remote

- Fostering collaboration, led a team of 3 in building Android applications with **Java, XML & HMS kits**, showcasing capabilities in official documentation.
- Created **tutorials**, published **articles**, and conducted **workshops** to train over **300** college students on **HMS kits**, promoting their use.

## ACHIEVEMENTS

- Attained **Elite+Silver** certification for the **Programming in Java** and **The joy of computing using Python** courses on **NPTEL**.
- Globally ranked in the **top 2555** in Google Kickstart, Code Jam, and additional **programming challenges**.
- Earned **50+ badges** in Google Cloud Skills Boost and consistently ranked in the **top 25** in global challenges.
- Solved Over **400 Coding Questions** on various coding Websites: [Leetcode](#), [GFG](#), [HackerRank](#), [CodingNinjas](#).

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C++, C
- **Frontend Development:** HTML, CSS, JavaScript, ReactJS
- **Backend Development:** JavaServer Pages, Servlets, Spring Boot, Hibernate, Flask, RESTful APIs
- **Database Management:** PostgreSQL, MongoDB, Db2, Redis
- **Version Control:** Git, Github
- **Cloud Platforms:** Google Cloud Platform, Microsoft Azure
- **IDEs:** VS Code, IntelliJ IDEA, Android Studio
- **Additional Skills & Tools:** Identity and Access Management (IAM), Apache Tomcat, Docker, XML, Kubernetes
- **Coursework Subjects:** Database Management System, Data Structures and Algorithms, Object Oriented Programming, Computer Networks, Operating System

## EDUCATION

B.E. (CSE) - 8.61 CGPA

#### Jansons Institute of Technology

📅 2019 – 2023

📍 Coimbatore, Tamilnadu

## PROJECTS

### Quiz Portal Web Application

- Java | JavaServer Pages (JSP) | Servlets | PostgreSQL | HTML | CSS | JavaScript | Tomcat
- Created a Quiz Portal with **Admin & User** features, integrated **JAAS** and implemented a secure **cookie-based authentication** system using **JWT** for controlled user access.
- Applied **Salting** and **Hashing** for password storage, fortified user data protection, and executed **session management** with measures to prevent **SQL Injection**, effectively securing access. [Github](#)

### Embedded Poll System for Authorised Websites

- Java | JavaServer Pages (JSP) | Servlets | PostgreSQL | HTML | CSS | JavaScript | Tomcat
- Built a web app with Quiz Portal like authentication for adding **polls/surveys**, featuring Google **Single Sign-On (SSO)** and **Embedded URL authentication** for exclusive access.
- Automated mail triggering and **report generation** for surveys/polls, enhancing user engagement and prioritising data security. [Github](#)

### Inventory Management System for retailers

- Python | Flask | HTML | CSS | Db2 | Docker | Kubernetes | IBM Container Registry
- Constructed an intuitive **dashboard** for real-time insights, optimising retail operations through **containerisation** for scalability.
- Enforced **secure** user authentication and **automated low-stock** email alerts. [Github](#)

### Trinetra for Visually Challenged

- Java | XML | HMS kits | Figma | Android
- Built an **AR-based assistance** app to aid visually impaired individuals in daily activities for Huawei devices, utilised Java and HMS kits such as **AR Engine, Location, Analytics, HiAI**.
- Employed **user-centered design** principles to create an intuitive interface and navigation, and published the app on **AppGallery**. [Github](#)

### Music Player

- Java | XML | Android Studio
- Crafted a basic music player app with seamless **playback** functionality and an intuitive user interface. Set up a **background service** for continuous audio playback. [Github](#)