

# Gunasekaraselvapandian

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## PROFESSIONAL SUMMARY

Detail-oriented Computer Science graduate (2024) with hands-on experience in full-stack development using the MERN stack. Proven ability to build scalable web applications, implement secure APIs, and optimize backend performance. Proficient in Java, Python, JavaScript, and RESTful architecture. Strong foundation in data structures, software design, and Agile workflows. Eager to contribute to dynamic engineering teams in fast-paced environments.

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript

**Frontend:** React.js, HTML5, CSS3

**Backend:** Node.js, Express.js, REST APIs, Socket.io

**Databases:** MongoDB, MySQL

**Tools:** Git, GitHub, Postman, VS Code, Netlify, Render, AWS

**Concepts:** OOP, SDLC, Agile, MVC, API Testing, JWT Authentication

## EDUCATION

### B.E. in Computer Science and Engineering

Sathyabama Institute of Science and Technology, Chennai

Jul 2020 – Mar 2024

Key Courses: Data Structures & Algorithms, Operating Systems, DBMS, Software Engineering

## PROJECTS

### E-Commerce Bakery Web App

GitHub Repo — Live Site

- Designed and deployed a full-stack MERN-based e-commerce app with user authentication, shopping cart, and checkout.
- Reduced data retrieval latency by 15% through optimized MongoDB queries and indexing.
- Built responsive UI with React, enhancing mobile user engagement by 20%.

### Real-Time Chat Application

GitHub Repo — Live Site

- Developed a WebSocket-based chat platform supporting concurrent users and real-time messaging.
- Implemented secure login, JWT authentication, and scalable RESTful backend with Node.js and Express.
- Reduced server latency by optimizing routing and minimizing middleware overhead.

### Personal Portfolio Website

GitHub Repo — Live Site

- Built a responsive personal site using React, Tailwind CSS, and Framer Motion to showcase projects and resume.
- Integrated smooth UI animations, project previews, and resume download functionality.
- Deployed via Netlify with clean routing using React Router for a single-page experience.

## SOFT SKILLS

- Strong communication – Delivered live demos to 20+ peers and faculty during college fests.
- Analytical thinking – Optimized database queries to improve app performance by 10%.
- Team collaboration – Worked in 3-member Agile teams, consistently meeting deadlines.