

# GOKUL KUMAR.K

## SOFTWARE DEVELOPER

### CONTACT

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- [Portfolio](#)
- [leetcode](#)
- [GitHub](#)

### PROFILE SUMMARY

Aspiring **Full-Stack Developer** with strong skills in HTML, CSS, JavaScript, TypeScript, React, Angular, Node.js, Firebase, MongoDB, and Tailwind CSS. Proficient in Data Structures & Algorithms (DSA) with **100+ LeetCode problems solved**. Passionate about **Machine Learning & Deep Learning** with hands-on experience in Python, Java, and C. Adept at problem-solving and building scalable web applications. Eager to learn and contribute to innovative projects.

### EDUCATION

2022 - 2026

VAIGAI COLLEGE OF ENGINEERING

- BE Computer Science & Engineering
- CGPA: 7.4 (5 semesters)

2019 - 2022

SILVER JUBILEE MATRIC HIR SEC SCHOOL

- 10th : 79.8%
- 12th : 66.7% [Computer Science: 96/100]

### SKILLS

#### FRONTEND :

- HTML
- CSS
- JAVASCRIPT
- TYPESCRIPT
- REACT
- ANGULAR
- TAILWIND

#### BACKEND :

- NODE.JS
- EXPRESS.JS
- FIREBASE

#### DATABASES :

- MONGODB
- SQL

LANGUAGES : PYTHON, JAVA, C

CLOUD/DEVOPS : FIREBASE, AWS (EC2, S3)

CORE SKILLS : • MACHINE LEARNING  
• DSA  
• PROBLEM SOLVING

### ACHIEVEMENTS

- 2nd Prize in Intra-College Hackathon (2024)
- 100+ LeetCode Problems solved (DSA & Problem-Solving)

### PROJECTS & EXPERIENCE

#### 1. Car Automation Project || [live demo](#)

- Built a self-driving model in **vanilla JavaScript** using decision trees for collision avoidance.

##### Key Achievements:

- Real-time steering logic, dynamic obstacle simulation (Hackathon 2nd Prize, 2024).
- Tech Stack:** JavaScript, HTML5 Canvas, ML Algorithms (Neural Networks)

#### 2. Portfolio Website || [live demo](#)

- Developed a **responsive portfolio** with React + Tailwind CSS, integrated a contact form with Firebase Firestore for data storage.
- Automation:** Implemented a Firebase Cloud Function to trigger email notifications (via Nodemailer) on form submission, eliminating manual follow-ups.
- Tech:** React, Tailwind CSS, Firebase (Firestore, Cloud Functions)

#### 3. Chat web app || [live demo](#)

- Created a **real-time chat application** with Firebase Authentication (Email/Google) and Firestore for data storage.
- Security Focus:** Encrypted user-sensitive data (e.g., emails, metadata) using crypto-js before storing in Firebase to ensure privacy.
- Tech:** React, Firebase (Auth, Firestore), Crypto-JS (AES Encryption)