

# LAKSHMI NARASIMHA REDDY

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Github

## Education

<b>Bangalore Institute of Technology</b>	<b>2023 – 2027</b>
<i>Bachelor of Engineering in Computer Science and Engineering</i>	<i>CGPA: 9.05/10</i>
<b>Bhashyam Junior College</b>	<b>2021 – 2023</b>
<i>Intermediate Board of Education</i>	<i>953 / 1000</i>
<b>Sri Venkataswara Bala Kuteer</b>	<b>2019</b>
<i>SSC</i>	<i>461 / 500</i>

## Projects

### VitalSync | FullStack Project

- Developed **VitalSync**, an AI-driven healthcare platform built with **Node.js**, **Express.js**, and **MongoDB** for secure doctor-patient management.
- Implemented **JWT authentication**, **bcrypt.js** encryption, and modular **MVC architecture** ensuring scalability and data security.
- Integrated **MobileNetV2**, **BLIP**, and **Tesseract.js** for medical image analysis, captioning, and OCR-based record extraction.
- Designed a custom **chatbot workflow engine** to automate doctor allocation, appointment confirmation, and communication tasks.

### GreenWay – Smart Carpooling Platform | Full Stack Project (Backend Focus)

- Built **GreenWay**, an AI-driven carpooling platform connecting nearby users through intelligent ride matching and real-time tracking.
- Developed a scalable backend using **Node.js**, **Express.js**, and **MongoDB** with **MVC architecture** and RESTful APIs.
- Implemented secure **Google OAuth 2.0** authentication using **Passport.js**, **cookie-session**, and **JWT**.
- Integrated **OpenStreetMap** (**Leaflet.js**) with **Haversine distance algorithms** to identify nearby riders within 800m radius.
- Enabled real-time ride coordination and chat using **Socket.IO** and automated notifications via **Nodemailer** and **Brevo**.

### Blogging-Website | Backend Project

- Built a **full-stack blogging platform** with secure **user authentication**, allowing users to **view**, **comment on**, and **create blog posts**.
- Implemented robust **content management** features to support a dynamic, **collaborative blogging environment**.
- Utilized **JWT tokens** and **HTTP cookies** for secure, session-based authentication and authorization.
- Designed the user interface using **Bootstrap** for responsive, mobile-friendly layouts.

## Achievements

- **LeetCode Achievements:** Solved **170** problems on LeetCode and **50+** on **GeeksforGeeks** across all difficulty levels. Achieved a **contest rating of 1401** and earned the **50 Days Badge** and **100 Days Badge 2025** for consistent problem-solving.
- **ICPC Regionalist 2025:** Competed at the **ICPC Regional Contest 2025**, achieving recognition as a **Regionalist** among top programming teams, showcasing strong analytical and teamwork abilities under time constraints.

## Skills and Competencies

**Programming Languages:** Java (OOP), Python, C

**Web Technologies:** MERN Stack (MongoDB, Express.js, React.js, Node.js), Docker, HTML, CSS, JavaScript

**Databases:** MongoDB, MySQL (DBMS)

**Problem Solving:** Data Structures and Algorithms (DSA), Competitive Programming

**Version Control & Deployment:** Git, GitHub

## Certifications

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- Programming, Data Structures and Algorithms Using Java, **Infosys Spring Board**
- Deloitte Virtual Internship - Forage, **Deloitte**

## Experience

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- Backend Developer with a solid understanding of **Data Structures & Algorithms (DSA)** and hands-on expertise in developing scalable applications using **Express.js**.
- Passionate about creating clean, maintainable architectures and writing efficient code.
- Proficient in **Java** and **RESTful API development**, driven by a strong desire to tackle real-world problems in team-based engineering environments.

## Hobbies

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Listening to Music, Watching Movies ,Learning new Things, Jogging,Playing Batminton