



LAKSHMI NARASIMHA REDDY

Bangalore, Karnataka

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Education

Bangalore Institute of Technology

2023 – 2027

Bachelor of Engineering in Computer Science and Engineering

CGPA: 9.05/10

Bhashyam Junior College

2021 – 2023

Intermediate Board of Education

953 / 1000

Sri Venkatasawra Bala Kuteer

2019

SSC

461 / 500

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

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

Experience

- 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

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