



# SAUMYA LADDHA

Software Developer | Full-Stack Developer |  
AI/ML Enthusiast

## MY CONTACT

✉ [laddhasaumya.123@gmail.com](mailto:laddhasaumya.123@gmail.com)

☎ +918989705185

📍 13,Neemchowk,Ratlam,457001

🌐 <https://www.linkedin.com/in/saumya-laddha-b29636254/>

## TECHNICAL SKILL

### • Languages:

- C/C++, JavaScript, Python, PHP, TypeScript

### • Tools and Software:

- React, Node.js, MySQL, MATLAB, TensorFlow, PyTorch, sci-kit-learn, OpenCV, and data analysis tools such as Jupyter Notebook, pandas, and Tableau

### • Areas of Study:

- Data Structures, Algorithms, Database Management, Full Stack Development, Object-Oriented Programming, Software Engineering, Computer Networks, AI/ML (Artificial Intelligence/Machine Learning), Deep Learning, Computer Graphics, and Data Analysis.

## Key Skills

- Strong problem-solving abilities
- Excellent communication skills
- Project management expertise
- Collaborative approach to teamwork
- Adaptability to evolving situations
- Strong commitment to continuous learning

## Education Background

### ● **Rajiv Gandhi Institute of Petroleum Technology**

#### **A INSTITUTE OF NATIONAL IMPORTANCE**

- Bachelor of Technology in Computer Science and Engineering  
CPI 8.07

2021-2025

### ● **St Stevens Higher Secondary School**

M.P Board of Secondary Education  
Percentage-87%

2019-2020

### ● **Shri Guru Tech Bahadur Academy**

CBSE Percentage-94%  
2005-2018

## ABOUT ME

I'm an aspiring SDE intern, equipped with a strong background in full-stack development and a solid foundation in AI/ML. Proficiency in both front-end and back-end technologies drives my passion for coding and problem-solving. My AI/ML knowledge adds an innovative dimension to my skill set. I'm eager to contribute, learn, and collaborate on software projects, aiming to blend technical expertise with creative thinking to craft impactful and forward-thinking solutions.

## PROJECTS

### Children's Well-being & Learning App

PRESENT

- **Elevated emotional well-being**, fostering resilience and **positive mental health**.
- Enabled **data-driven learning**, unlocking each child's unique potential for growth.
- Employed **NLP** and **LSTM** models for emotion analysis, and designed an AI chatbot, community, and interactive learning.
- Applied data science techniques like **gamification** and adaptive content for holistic child development.

### VisuallyAI - Empowering Accessibility

JUNE 2023

- **Revolutionized accessibility** for visually impaired users.
- Developed a user-friendly virtual assistant platform with a **substantial positive impact** on user experiences.
- Engineered a mobile-responsive website, integrating advanced AI features, such as **face recognition**, **object detection**, **text-to-speech**, and **speech recognition**, for enhanced accessibility.

### E-COMMERCE SHIPPING TIME PREDICTION

MAY 2023

- **Boosted customer satisfaction** with improved on-time product delivery.
- Informed **logistics optimization** for enhanced operational efficiency.
- Developed a predictive model using **Random Forest** and **Gradient Boosting** algorithms.
- Utilized a dataset with 10,999 observations and 12 variables to enhance supply chain operations and elevate the customer experience.

### E-Commerce Website using MERN Stack

March 2023

- **Elevated user engagement** with a dynamic e-commerce platform.
- Ensured transaction security, resulting in **improved user satisfaction**.
- Developed a dynamic e-commerce platform using the **MERN stack** (MongoDB, Express.js, React, Node.js).
- Emphasized intuitive user interfaces and efficient product catalog management to enhance user engagement.

### WEB-BASED-Restaurant MANAGEMENT SYSTEM

FEB 2023

- **Streamlined operations** with a comprehensive restaurant system.
- Improved efficiency in **employee management** and enabled data-driven decisions.
- Developed a restaurant system using PHP, MySQL, HTML/CSS, JS (jQuery), and Git.
- Enhanced operations with features like online ordering, inventory tracking, and data analytics.

## POSITIONS AND VOLUNTEERING

- **Dedicated Volunteer:** Passionately teach underprivileged students in Amethi and nearby areas.
- **Editorial Head:** Lead RG IPT-IEEE student chapter, driving innovative editorial content.
- **Mess Committee Member:** Ensure top-notch food quality for a satisfying dining experience.
- **Film & Media Club Member:** Actively participate in creating captivating content.