

# RAMCHANDRA MULIK

## Software Engineer | Competitive Programmer

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## INTERNSHIP EXPERIENCE

### 1. Deep Learning Developer

Incubation Centre, SAKEC

11 December 2023– 24 December 2023

- Implementing and evaluating various **deep learning** architectures (e.g., CNNs, Transformers) for accurate cervical cancer **image classification**.
- Fine-tuning hyperparameters**, exploring transfer learning techniques, and implementing ensemble methods to enhance model **accuracy and efficiency**.
- We have achieved an accuracy of **83%** so far, and we are still in the process of completing the training.

### 2. Machine Learning Intern

Intel Unnati Program Industrial Training

May 2024– July 2024

- Developed a food recommendation system: As part of the Intel Unnati Program, leveraging a dataset of over **2,000 dishes** to offer personalized meal suggestions.
- The system incorporates **five key inputs** (time, cuisine, diet, meal type, and number of people) to generate 10 tailored dish recommendations.

## PROJECTS

### Real-Time Chess App

TypeScript, Next-js, WebSocket, Redis, Shadcn

- Designed a **real-time chess** application supporting multi-user gameplay.
- Included real-time **video call functionality** for enhanced player interaction.
- Integrated **Redis queues** to minimize latency, ensuring scalable and efficient game state management.
- Developed secure user authentication and a reliable **server recovery system** for uninterrupted gaming sessions using MongoDB. [GitHub Repository](#)

### Saffron renewTech LPP

NextJs 15, TypeScript, Next-Auth, MongoDB, Shadcn

- Developed a user-friendly web application utilizing Next.js and Shadcn, incorporating seamless **authentication** features.
- Established a secure **admin panel** for route management and designed a robust database schema with Mongoose to minimize data **redundancy**.
- Designed a scalable database schema to minimize redundancy and implemented essential functionalities, including password recovery and seamless payment processing. [Live Link](#) [GitHub Repository](#)

## EDUCATION

B.Tech - Artificial Intelligence and Data Science

Shah and Anchor Kutchhi Engineering College

2022-2026

CGPA: 8.54

Class 12 - Kudal High School

2022

Percentage :76.33

Class 10 - Vetore High School

2020

Percentage :90.20

## SKILLS

- Programming Languages:** Python, Java, C, C++, JavaScript, SQL, HTML, CSS
- Skills:** Full Stack Development (Backend strong) Data Structures and Algorithms (DSA).
- Frameworks:** TensorFlow, Keras, Scikit-learn, ReactJS, NodeJS, Express, Mongoose, NumPy, Pandas, Plotly, NextJS, Next-Auth, Shadcn Seaborn.
- DB language:** SQL , MongoDB.
- Tools :**Git, Github, Shell

## ACHIEVEMENTS

- Top 5% on LeetCode**  
Boosted coding proficiency to the top 5% on LeetCode with a rating of **1850+** as a **Knight** Level coder. [View Profile](#)
- Inter-college CODE-A-THON Champion**  
Secured First Place in inter-college CODE-A-THON competition **4 times**, showcasing advanced algorithmic and **competitive programming** skills. [View certificates](#)
- Rank 818 in LeetCode Contest**  
Ranked 818 in the competitive LeetCode Biweekly Contest 143, outshining over 27k+ participants. [View Screenshot](#)
- 365 Days Badge on LeetCode**  
Earned the prestigious **365 Days Badge** by coding for a total of 361 days out of 365 in 2024. [View Batch](#)

## CERTIFICATIONS

- Data Structures and Algorithms in Java
- introduction to cyber security