

# Prem Rajesh Sargara

📍 Dahod, Gujarat, India    ✉ sargarapremrajesh@gmail.com    ☎ +91 94283 67330    in prem-sargara  
🔗 PREMRAJESH

## About ME

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- Participated in Reverse Coding Competition (2024), applied problem-solving and DSA skills under time constraints.
- Active member of Coding Club at college, mentoring peers in Python and Data Structures.
- Attended workshops on Web Development, Machine Learning, and DevOps.
- Regular participant in coding contests on LeetCode, GeeksforGeeks, and Codeforces.

## Education

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### Government Engineering College, Dahod

Aug 2023 – Present

*B.E. in Computer Engineering*

- Currently in 5th Semester
- Worked on various Web Development and Machine Learning projects

### Government Polytechnic College, Dahod

Sept 2020 – June 2023

*Diploma in Computer Engineering*

- GPA: 8.33/10
- Built strong foundation in Computer Science fundamentals including Data Structures, DBMS, and Operating Systems
- Completed multiple academic projects in Web Development and C/C++ programming
- Actively participated in technical events and coding competitions at the institute level

## Experience

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### Web Development Intern

Ahmedabad, Gujarat

*BrainyBeam Technologies Pvt. Ltd.*

Sept 2022 – Nov 2022

- Worked on different modules of live client web applications under senior developer guidance
- Developed a dynamic Web Application with interactive UI and responsive design
- Collaborated with team members for debugging, optimization, and version control using Git

## Projects

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### Real-time Chat Application

[github.com/PREMRAJESH/RTCA](https://github.com/PREMRAJESH/RTCA)



- Developed a chat app with Firebase integration for real-time messaging
- Implemented authentication, cloud storage, and push notifications
- Launching soon as Android app

### Brain Tumor Detection using VGG-16

[github.com/PREMRAJESH/Brain-Tumor-Detection](https://github.com/PREMRAJESH/Brain-Tumor-Detection)



- Built a CNN-based classifier using transfer learning (VGG16) for brain tumor MRI image detection
- Improved accuracy compared to baseline CNNs and reduced training time by 30%
- Used Grad-CAM to visualize predictions for interpretability
- Tools: Python, TensorFlow/Keras, NumPy, Pandas, Matplotlib

## Technologies

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**Languages:** Python, C/C++, Java, SQL, JavaScript

**Web & App Development:** React.js, React Native, Tailwind CSS, Firebase

**Machine Learning:** TensorFlow, Keras, NumPy, Pandas, Matplotlib

**Databases:** MySQL, Firebase Realtime DB, MongoDB, Cassandra

**DevOps & Tools:** Git, GitHub Actions