

Prem Rajesh Sargara

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👤 PREMRAJESH

About ME

- 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

- Government Engineering College, Dahod** *B.E. in Computer Engineering* Aug 2023 – Present
- Currently in 5th Semester
 - Worked on various Web Development and Machine Learning projects
- Government Polytechnic College, Dahod** *Diploma in Computer Engineering* Sept 2020 – June 2023
- 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

- Web Development Intern** *BrainyBeam Technologies Pvt. Ltd.* Ahmedabad, Gujarat 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

- Real-time Chat Application** 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 ↗
- 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

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