Richa Bharti

Gurgaon, Haryana | richab820@gmail.com | 8102271172 | Website

https://www.linkedin.com/in/richa-bharti-508ba0283/ | https://github.com/RichaBharti0603

Education

Dronacharya College of Engineering, Bachleor of Technology, Computer Science   2023 - 2027
- CGPA: 8.2/10

Skills

Programming Languages:	C, C++, Python, JavaScript
Web Technologies:	HTML, CSS, React, Node.js, Express.js
Database Systems:	MongoDB, Firebase, MySQL
Version Control & DevOps:	Git, GitHub
Development Tools:	VS Code , Postman , apidog , git
Visualization Tools:	Matplotlib, Seaborn

Projects

Nagrik – Civic Engagement Platform   Github

A full-stack web application using React, Node.js, and MongoDB to streamline communication between citizens and municipal bodies. Implemented RESTful APIs for issue reporting, real-time public meeting updates, and geo-tagged incident mapping. Integrated authentication, role-based access, and scalable data management for efficient civic participation and feedback loops.

Tools: React.js , Node.js, MongoDB, Leaflet.js

- **Domestic Violence Silent Alert System**   GitHub
  - Developed a discreet web-based alert platform to help victims of domestic violence silently request help. Implemented using Node.js and React, the system allows users to trigger emergency alerts through hidden gestures or buttons. Integrated real-time location sharing, secure authentication, and an automated alert dispatch system to notify trusted contacts or authorities without raising suspicion.
  - Tools: Flutter, Firebase, Google Maps API

Vandana – Holiday-Themed Dating & Community Platform   Github
- Designed and developed a matchmaking platform to connect individuals who are away from home during holidays. Built using Node.js and JavaScript, the app features a festive UI, swipe-based matching, geolocation-based suggestions, and a personality quiz for tailored connections. Integrated community channels, group planning tools, and virtual meet features to foster meaningful holiday celebrations.
- Tools: HTML, CSS, JavaScript, Firebase (planned)

Education Hub – Inclusive Learning Platform   Github
- Built an accessible web application offering vocational courses and learning resources tailored for individuals with disabilities, especially visual impairments. Implemented using React.js and Node.js, with features like screen reader compatibility, audio course materials, and keyboard navigation support.
- Tools: Python, OpenCV, ML, Geospatial Data

Achievements

Solved 200+ problems till date – LeetCode: leetcode.com/u/richa$_6$1

GDSC Social Media Volunteer – Promoted tech events and maintained the club's online presence.

Certified in IR4.0 Technologies – Microsoft SAP certification in Linux, Data Analysis, and Python.

Presented at ICRISD 2024 – Presented on AI/ML in neuroscience and biomedical microchips.