Richa Bharti

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

Education

Dronacharya College of Engineering, Bachleor of Technology, Computer Science   2023 - 2027
- GPA: 7.9/10

Projects

Prakriti – AI-Powered Waste Reuse Platform   Github
- Full-stack app classifying waste and suggesting eco-friendly reuse ideas.
- Integrated community marketplace for upcycled products.
- Tools: Next.js, Node.js, MongoDB, TensorFlow.js

Domestic Violence Silent Alert System   GitHub
- Mobile app silently alerting help centers with real-time location.
- Focused on victim anonymity and public safety.
- Tools: Flutter, Firebase, Google Maps API

Vandana – Holiday-Themed Dating & Community Platform   Github
- Festive web platform for connecting people away from home during holidays.
- Features include group planning and recipe sharing.
- Tools: HTML, CSS, JavaScript, Firebase (planned)

AI-Powered Disaster Management & Collision Avoidance System   Github
- Detects objects up to 60 km on railway tracks to prevent collisions.
- Uses AI and computer vision for real-time intrusion detection.
- Tools: Python, OpenCV, ML, Geospatial Data

Skills

Programming Languages:	C, C++, Python, JavaScript
Web Technologies:	HTML, CSS, React, Node.js, Express.js
Database Systems:	MongoDB, Firebase, MySQL
Machine Learning & Data Science:	Pandas, NumPy, TensorFlow, Keras, Scikit-learn
Version Control & DevOps:	Git, GitHub
Visualization Tools:	Matplotlib, Seaborn

Achievements

Solved 200+ problems till date – LeetCode: leetcode.com/u/$richa_61$

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.