

# Mridul Rakhecha

mridulrakhecha@gmail.com | github.com/mridul01r | linkedin.com/in/mridulrakhecha | +91-9425962445

---

## EDUCATION

### VIT Bhopal University

Integrated M.Tech in Artificial Intelligence & Machine Learning | GPA: 8.2/10

Aug 2021 – May 2026 (Expected)

---

## EXPERIENCE

### Concept Information System Pvt. Ltd.

Web Developer Intern, Bangalore, India

Nov 2023 – Feb 2024

- Collaborated within a 3-member team to design and develop a 5-page corporate website, integrating 3 lead generation forms.
  - Optimized web performance by reducing image asset sizes by 40%, cutting average local page load time from 4.2 to 2.5 seconds.
  - Improved user experience and accessibility by leading 20+ compatibility checks across devices and browsers, resolving key layout and access issues before internal review.
- 

## TECHNICAL PROJECTS

### Social Media Application (GitHub)

Feb 2025 – May 2025

- Engineered a Single Page Application using React and TypeScript, with 6 features validated internally by the project team using 20+ unit and integration test cases.
- Utilized Appwrite for authentication and validated core flows through manual team test sessions for signing up and logging in.
- Implemented infinite scroll functionality with mock datasets (reviewed with 50+ sample posts); kept observed errors minimal within team QA.
- Verified responsive design on 5 types of devices within the team; resolved several cross-platform issues found in collaborative evaluation.

### AI Mock Interview System (GitHub)

Apr 2024 – Aug 2024

- Developed a Next.js prototype featuring 10+ routes; achieved smooth route transitions in all team-led CI tests.
  - Used Vapi SDK to simulate voice-based interviews and generated sample technical questions with Google Gemini API for the team.
  - Designed and implemented 5 data entry forms with Zod schema validation, achieving accurate handling of user errors tested by the team.
  - Added mock interview data in Firebase for quality checks and feature development, reviewed by all team members.
  - Automated linting, type checks, and deployments with GitHub Actions; helped reduce recurring code issues in group code reviews.
- 

## CERTIFICATIONS

### Udemy — Full-Stack Web Development

- Completed a 48-hour full-stack web development course as a team.
- Built and deployed 3 web applications with REST APIs using HTML, CSS, JavaScript, Node.js, Express.js, and MongoDB.

### SmartBridge — MERN Stack Developer

- Worked on a MERN project, writing features and performing code review.
- Used Git version control and followed an agile workflow over multiple sprints.

### MongoDB University — MongoDB for Developers

- Completed 8 modules covering aggregation pipelines, indexes, and query optimization.
- Applied concepts to develop and test scalable MongoDB schemas on team sample datasets.

### Coursera — Machine Learning in Python

- Trained machine learning models on sample datasets using NumPy, pandas, and scikit-learn.
  - Implemented regression, classification, and clustering in 5 coding assignments.
- 

## SKILLS & TECHNOLOGIES

**Languages & Frameworks:** JavaScript, TypeScript, C++, Java, Python, R, HTML, CSS, React, Next.js, Express.js, Tailwind CSS, Shadcn UI

**Databases & Auth:** Firebase, MongoDB, Appwrite, SQL, PostgreSQL

**AI & Voice APIs:** Google Gemini API, Vapi SDK

**Tools:** Git, GitHub Actions, Jest, ESLint, Prettier, Vercel, Turbopack

**Practices:** REST APIs, regular Data Structures Algorithms problem-solving (LeetCode/GFG)

---