# KARUNA BISHNOI

Jodhpur, Rajasthan India - 342802

#### J +91-9509696516 bt22cs026@nitmz.ac.in </ > Portfolio Linkedin G Github </ > LeetCode </ >> Geeksforgeeks

#### **EDUCATION:**

### National Institute of Technology (NIT), Mizoram

B.Tech in Computer Science & Engineering

#### **EXPERIENCE:**

#### **Research Intern – AI/ML**

IIT Guwahati

- Conducted research in image processing using Python, PyTorch, and OpenCV.
- Developed object recognition and motion tracking algorithms for real-time multimedia systems.
- Collaborated on improving system accuracy and analytics performance.

#### AI/ML Intern – Generative AI

Nelumbus Technology

- Replicated ChatGPT-based solutions with Google Gemini for real-world AI use cases.
- Developed a Question Paper Generator using RAG and Generative AI with Flask backend.
- Created a user-friendly frontend using HTML/CSS with dynamic content integration.

#### **PROJECTS:**

Fitness Tracker | React.js, Node.js, Express, MongoDB

- \* Built a full-stack fitness tracking app using React for the frontend and Node.js + Express for the backend, allowing users to register, log workouts, and monitor fitness progress.
- \* Integrated MongoDB for persistent storage of user profiles, custom workout plans, and logged activities, ensuring fast and scalable data handling.
- \* Designed RESTful APIs to support CRUD operations for workouts and implemented JWT-based authentication for secure user sessions.

#### Content Management System | HTML, CSS, PHP, MySQL

- \* Developed a web-based content management system using PHP and MySQL to enable users to create, update, and manage digital content efficiently.
- \* Implemented role-based access for content authors and administrators, with features like content publishing, editing history, and automated timestamps.
- \* Designed a clean, responsive UI using HTML and CSS to ensure usability across different devices and screen sizes.

#### **TECHNICAL SKILLS:**

Programming Languages: Java, JavaScript, Python, C, SQL, HTML, CSS, PHP Frontend Frameworks: React.js, Next.js Backend Frameworks: Node.js, Express.js, RESTful APIs Databases: MongoDB, MySQL Developer Tools & Version Control: Git, GitHub, VS Code Data Science & Other Technologies: Numpy, Pandas, Seaborn, Redux, Tailwind CSS, Figma, RAG, Generative AI

#### **KEY ACHIEVEMENTS:**

\* Solved 100+ DSA Questions – Practiced on LeetCode, GFG, and Codeforces, enhancing problem-solving skills.

\* Led Farewell 2025 at NIT Mizoram as Event Incharge, managing logistics and planning.

## December 2024 - January 2025

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On-Site · Internship

Remote · Internship

Code May 2025 - Present

Code Jan 2025 - Mar 2025

2022 - 2026 7.75/10 CGPA