

# KARUNA BISHNOI

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## EDUCATION:

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

B.Tech in Computer Science & Engineering

2022 - 2026

7.75/10 CGPA

## EXPERIENCE:

**Research Intern – AI/ML**

IIT Guwahati

December 2024 - January 2025

On-Site · Internship

- 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

December 2024 - January 2025

Remote · Internship

- 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

</> Code May 2025 - Present

- \* 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

</> Code Jan 2025 - Mar 2025

- \* 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.