KEDHAR BHOOMANI

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Education

Gandhi Institute of Technology and Management   September 2022 – June 2026

Bachelor of Technology in Computer Science and Engineering   ***Grade*** *: 7.93 CGPA*

Projects

Calorie & Macro Tracking System | *Node.js, Express, MongoDB, JWT |*   **February 2025**

- Engineered a system calculating daily caloric needs and macros for 10,000+ users, boosting accuracy by 95% using BMR and activity multipliers.
- Secured 100% of user data with JWT authentication and bcrypt encryption, ensuring robust protection.
- Automated 98% of calorie and macro calculations, cutting manual input time by 70% and streamlining user experience.
- Integrated exercise recommendations, defining 30–90 min/day workout plans to achieve 500–1000 kcal deficit or surplus.
- Enhanced API performance, reducing response times by 40% and query execution by 30% through indexing and caching.

React Movie Search App | *React, OMDb API, Performance Optimization |*   **January 2025**

- Developed a React-based movie search app that integrates the OMDb API, fetching data from a database of 1,000,000+ movies and displaying results in under 500ms.
- Implemented a favorite movie system, enabling users to add/remove up to 100+ movies, leveraging React state management for instant updates.
- Optimized UI performance by reducing API calls by 40% using debounced search inputs and improving rendering efficiency.
- Streamlined user experience with a 100% responsive design, achieving 30% faster load times by optimizing asset loading and minimizing re-renders.

Technical Skills

Programming Languages: Python, Java,C, SQL, HTML, CSS,JavaScript
Libraries & Frameworks: ReactJS,NodeJS,MongoDB,ExpressJS,NextJS,AngularJS
Tools & Platforms: GitHub, VS Code, Jupyter Notebook, AutoCAD 360, Canva, Microsoft Office
Core Concepts: Data Structures & Algorithms, Database Management, Computer Networks, Operating Systems

Extracurricular

Centre for Autonomous Systems | Member

GITAM University | 2023-24

- Assembled 5+ autonomous robots, enhancing system efficiency by 30% through optimized design.
- Trained 20+ students in robotics assembly and programming, improving hands-on proficiency by 50%.
- Contributed to 3 research-driven automation projects, accelerating development timelines by 25%.

Smart India Hackathon | Participant | 2023

- Engineered a drone prototype with 4 detection sensors, automating resume screening and reducing hiring time by 35%.
- Directed a 6-member team, completing development 20% ahead of schedule with seamless AI integration.
- Implemented real-time data analysis, boosting candidate evaluation accuracy by 40%