A. MANVEETH REDDY

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PROFESSIONAL SUMMARY

Highly motivated and results-driven **Recent Graduate** (BTech Information Technology, 2025) with a strong foundation in **Software Engineering principles** and a proven ability to build full-stack applications. Demonstrated expertise in **Frontend (React.js, JavaScript, HTML/CSS)** and **Backend (Node.js, SQL, MongoDB)** development.

TECHNICAL SKILLS

Category	Skills
Frontend Development	React.js, JavaScript (ES6+), HTML5, CSS3, UI/UX
Backend & Databases	Node.js, Supa base, Firebase, MongoDB, SQL
Data & AI	Python, Java, OpenCV, Media Pipe, Pandas, NumPy, Machine Learning, Deep Learning
Deployment & Tools	Git/GitHub, Netlify Hostinger, SEO, Flask, Spline

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ACHIEVEMENTS & AWARDS

- **Competitive Problem Solving:** Solved **100+ problems on LeetCode**, demonstrating strong commitment to algorithmic thinking and data structure mastery.

- **Technical Seminar Award:** Secured **3rd place** in a technical seminar competition held at Guru Nanak Institute of Technology, recognizing strong presentation and subject knowledge.

PROJECTS

FitHub: Fitness Web App Using OpenCV and MediaPipe

- Developed a cutting-edge **Fitness Web Application** utilizing **Python, OpenCV, and MediaPipe** for real-time exercise tracking and feedback.
- Implemented live **video analysis** and **pose estimation** to enable accurate repetition counting and immediate posture correction.
- Created a seamless, **user-friendly interface** that integrates complex computer vision technology with practical fitness coaching features.
- **Key Technologies:** Python, OpenCV, MediaPipe, Image Processing, Computer Vision.

Intelligent Book Recommender

- Designed and built a **Smart Library System** to suggest personalized book recommendations based on user reading habits.
- Leveraged **Deep Learning (NCF - Neural Collaborative Filtering)** and **Cosine Similarity** algorithms to enhance recommendation accuracy.
- Developed the front-end using **React** and integrated the Machine Learning model via a **Python Flask** backend.
- **Key Technologies:** React, Python, Pandas, Machine Learning, Deep Learning, Flask.

EDUCATION

Bachelor of Technology (BTech) in Information Technology

Guru Nanak Institute of Technology | Hyderabad, India

- **Graduation:** 2025
- **CGPA:** 7.5