

DIVYANSHU VERMA

Ghaziabad, Uttar Pradesh

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EDUCATION

KIET Group Of Institutions, Ghaziabad

2023 – Current

B.Tech - Computer Science and Information Technology - CGPA - 7.82

Ghaziabad, Uttar Pradesh

Sacred Heart Higher Secondary School

2020 – 2022

(CBSE) Intermediate - Percentage - 71.6%

Sitapur, Uttar Pradesh

PROJECTS

Automated Publication Summary Generator [↗](#) | Network Protocols, NLP

October 2024

- Full-Stack Web App: Built using HTML, CSS, JavaScript for the frontend and Flask (Python) for the backend, with SQLite for data storage.
- Designed a system that takes author names or a CSV/Excel file to automatically fetch and process publication data.
- Generates concise summaries of research publications, reducing the time and effort needed for manual review.
- Compares academic performance of multiple authors using metrics like H-index and i10-index.
- Provides visual representation of publication metrics to enable easy analysis and comparison.
- Enhances research accessibility and decision-making by presenting key insights in a simplified format.

AI Gym Trainer [↗](#) | Python, OpenCV, MediaPipe

December, 2024

- Developed an AI-powered fitness assistant to monitor exercises and provide real-time feedback on posture and movement accuracy.
- Utilized MediaPipe's Pose Estimation to track body landmarks and detect improper form during workouts like squats, push-ups, and lunges.
- Integrated OpenCV for real-time video capture, annotation of skeletal joints, and overlaying performance stats on screen.
- Enhanced user experience by displaying live feedback such as "Good Form" or "Adjust Back" based on motion analysis.
- Implemented a rep-counting and exercise classification feature to automatically track workout progress and distinguish between different exercise types.

TECHNICAL SKILLS

Languages: C/C++, Python, MongoDB, JavaScript, HTML5, CSS3

Frameworks: React, Tailwind CSS, Bootstrap,

Developer Tools: Git, VS Code, FIGMA

Libraries: Socket

CERTIFICATIONS

- MongoDB
- Programming Fundamentals- Udemy

POSITION OF RESPONSIBILITY

- Coordinator - Web Development (School of UI/UX)
- Gained exposure to various domains including UI/UX, Web Development, CP/DSA
- School of UI/UX Member from 2023 to Current

EXTRACURRICULAR

- * 100+ questions on leetcode
- * Achieved top 10 finish (9th place) in IEE SSH 2024 Hackathon out of hundreds of participants.
- * Pitched an innovative idea at the Ideathon organized by E-Cell, showcasing creativity and entrepreneurial thinking.
- * Completed NCC 'B' Certificate (2020–2022), demonstrating discipline, leadership, and teamwork.