

# Gaurav Tiwari

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*Seeking full-time opportunities in Software & Web development*

## Education

|          |  |                       |
|----------|--|-----------------------|
| 7.5/10.0 | <b>Master of Computer Application (Mca)</b> , GEHU Dehradun   Uttarakhand, India | Aug 2022 - July 2024  |
| 6.9/10.0 | <b>Bachelor of Science (Bsc)</b> , D.D college Dehradun   Uttarakhand, India     | Aug 2018 - July 2021  |
| 6.6/10.0 | <b>XII</b> , Vivekanand school Jogiwala dehradun   Uttarakhand, India            | July 2016 -April 2018 |
| 8.2/10.0 | <b>X</b> , Vivekanand school Jogiwala dehradun   Uttarakhand, India              | july 2015 -may 2016   |

## Skills

|                                |  |
|--------------------------------|--|
| <b>Programming</b>             | C, java, pyhton, C#, HTML, CSS, JavaScript, SQL  |
| <b>Technologies/Frameworks</b> | React.js, Git/Github, JDBC, Node.js, .net, AngularJs   |
| <b>Course Work</b>             | Data Structures, Design and Analysis of Algorithms, Operating System, DBMS, CN, Machine Learning |

## Projects

### GYM Management System

- **TechStack: Java, MySQL, JDBC, Swing**
- Developed a Gym Management System facilitating seamless administration and member management.
- Utilized Java for backend development, JDBC for database connectivity, and Swing for building the user interface..
- Implemented comprehensive features including membership management, attendance tracking, class scheduling, billing, and reporting functionalities..
- Demonstrated proficiency in Java programming, database management, and user interface design, ensuring a robust and user-friendly system for gym operations.
- Employed JDBC for database connectivity, ensuring secure and efficient interaction between the Gym Management System and the MySQL database, thereby enhancing data integrity and system reliability.

### Social Connect

- **TechStack: ReactJS, Node.js, Email.js, Firebase**
- Crafted a social media web app enabling users to connect and share content.
- Utilized React.js for the frontend, designed the backend with Node.js, and leveraged Firebase for the database.
- Implemented Email.js authentication, resulting in a **25% increase** in user registrations.
- Improved overall app performance by **30%** through code optimization.

### Object Tracking with SORT Algorithm

- **TechStack: Python, NumPy, Matplotlib ,OpenCV**
- Implemented the Simple Online and Realtime Tracking (SORT) algorithm for object tracking across video frames.
- Utilized Python programming language along with NumPy and Matplotlib libraries.
- Developed "sort.py" module to perform data association between detections, predict object motion, and update object states using Kalman filters.
- Contributed to enhancing the performance and efficiency of the SORT algorithm.
- Demonstrated proficiency in algorithm implementation and optimization for multi-object tracking tasks in computer vision applications..

## Certifications

1. **Professional Development**
  - Diploma in Computer Application (DCA), 1-year program from Accet Infotech Private Limited
2. **Technical Skills Enhancement**
  - Java Data Structures and Algorithms Masterclass, Udemy
  - Python: Master Programming and Development, Udemy
  - Cybersecurity Udemy
3. **Continuing Education**
  - Hardware Networking, 6-month program

## Interpersonal Skills

- **Communication:** Effective verbal and written communication with team members, clients, and stakeholders.
- **Teamwork:** Collaborative, actively contributing ideas and fostering a positive work culture.
- **Leadership:** Guiding teams, delegating tasks, and providing mentorship.
- **Problem-solving:** Analytical thinker, adept at identifying and resolving challenges.
- **Adaptability:** Flexible and quick to adapt to changing environments.
- **Conflict Resolution:** Skilled in resolving conflicts through empathy and diplomacy.