

# MANISH TIWARI

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## Summary

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I am a third-year B.Tech student specializing in software development, particularly web development. I excel at writing clean, efficient, and scalable code and bring a strong analytical mindset and attention to detail to every project. Committed to continuous learning and collaboration, I am eager to apply my skills in real-world settings while staying updated on emerging technologies and industry standards.

## Technical Skills

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**Programming Languages:** Python, C, C++, SQL, Java  
**Frameworks & Technologies:** ReactJS, Computer Vision, MySQL, Express.js  
**Developer Tools:** Git, VS Code, PyCharm, IntelliJ, MySQL Command Line

## Education

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**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, CHENNAI** Expected Graduation: May 2026  
*Bachelor of Technology in Computer Science [CGPA (till 2nd year): 9.79/ 10.00]*  
• **Relevant Coursework:** Data Structures and Algorithm, Object Oriented Programming, Operating System, Computer Architecture, Programming, Database Management System etc.

**TAGORE ACADEMY PUBLIC SCHOOL, FARIDABAD** 2021-2022  
*Senior Secondary Schooling [Percentage: 90.2]*

## Projects

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### Quiz Application | Java, MySQL

- Developed a Java Swing-based quiz application integrated with a MySQL database to manage questions, user registration, and score tracking.
- Designed and implemented features for quiz participation, real-time progress recording, and timer-based duration consistency.
- Increased user engagement by 30%, driving higher participation rates through enhanced functionality.

### Microblogging Application | ReactJS, Express.js, MySQL, RESTful API

- Built a microblogging platform using React for the frontend, Express.js for the backend, and MySQL as the database.
- Implemented full CRUD operations with secure JWT-based authentication for user access control.
- Integrated Multer for backend image uploads and developed dynamic, responsive routing on the frontend.
- Enhanced user experience with category-based filtering and user-specific post management.

### Real Time Face Recognition Attendance | Python, Flask, TensorFlow, OpenCV, MySQL

- Developed an automated attendance system using Python and OpenCV for real-time facial recognition.
- Integrated Flask and MySQL for efficient data management and streamlined operations.
- Improved accuracy by 40%, reducing manual effort and enhancing attendance tracking.
- Ensured data privacy with encryption, delivering a secure and reliable solution.

## Certification

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- AWS Machine Learning Foundation
- Coursera Developing Front-End Apps with React
- Coursera Developing Back-end Apps with Node.js and Express
- Great Learning Computer Vision Essentials

## Social Engagements

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**Volunteer:** NGO for Women empowerment  
**Sports-Engagements:** Badminton, Gymming, Cricket, Football.