

# Prashant Tiwari

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## Education

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<b>Master of Computer Applications (9.33 CGPA)</b> Sardar Patel Institute of Technology, Mumbai	Aug 2024 – Present
<b>Bachelor of Science (66.4%)</b> St John's College, Agra	Aug 2020 – May 2023
<b>Higher Secondary (81.4%)</b> St Joseph's School, Chandauli	June 2017 – July 2019
<b>Secondary School (10 CGPA)</b> St Joseph's School, Chandauli	June 2015 – July 2017

## Projects

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<b>Blood Bank App (MERN Stack)</b> <ul style="list-style-type: none"><li>Implemented role-based access for admins, donors, organizations, and hospitals</li><li>Developed inventory tracking system for blood bank management</li><li>Utilized Redux for state management and Tailwind CSS for responsive UI</li></ul>	<a href="#">Github</a>
<b>E-Learning Platform (MERN Stack)</b> <ul style="list-style-type: none"><li>Developed MERN-based e-learning platform with secure JWT authentication. Integrated Razorpay payment system for course enrollment</li><li>Implemented advanced React features with Redux and Tailwind CSS. Used Cloudinary for file storage and retrieval</li></ul>	<a href="#">Github</a>
<b>Crop Recommendation System (Machine Learning)</b> <ul style="list-style-type: none"><li>Built a stacked model (Optuna-tuned LightGBM + CatBoost + Logistic Regression) with 99.84% accuracy, surpassing IEEE benchmarks.</li><li>Built a secondary model (LASSO + ACO + Random Forest) delivering 99.55% accuracy with hybrid metaheuristic feature selection.</li><li>Developed an interactive Streamlit UI for real-time crop type prediction from user inputs.</li></ul>	<a href="#">Github</a>

## Work Experience

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<b>Educational Content Creator(Infinity Learn)</b> <ul style="list-style-type: none"><li>Created video solutions and simplified complex math topics (grades 10-12)</li><li>Enhanced student learning through engaging, targeted video content.</li></ul>	June 2023 – Sept 2023
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## Skills

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**Programming Languages:** Java, JavaScript, SQL  
**Web Technologies:** ReactJS, Node.js, SpringBoot, FastAPI, HTML, CSS, Tailwind  
**Databases:** MySQL, MongoDB  
**Tools:** Visual Studio Code, Postman, IntelliJIDEA, Git

## Achievements

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- Secured AIR-46 in MAH MCA-CET entrance examination.
- Solved 150 Data Structures and Algorithms problems on Leetcode and Codechef

## Volunteer Work

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- Served as Point of Contact for Alumni and Mentors program at S.P.I.T
- Mentored school students (10th and 12th standard) in Mathematics