

RITWIK SUDHAKAR TAT

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Education

Indian Institute of Information Technology & Management, Gwalior <i>Integrated (Btech + Mtech) in Information Technology</i>	2021 - 2026 7.67/10 CGPA
Sri Sanjeevni Junior College, Hyderabad <i>Higher Secondary Education</i>	2018 - 2020 97%
Jawahar Navodaya Vidyalaya, Latur <i>Secondary Education</i>	2018 92%

Algorithmic Achievements

- Practiced **800+** DSA problems across **LeetCode** and **GFG**, strengthening core algorithmic concepts.
- Earned a **5 star** rating on HackerRank in Problem Solving, reflecting Strong Algorithmic Skills.
- Scored **98.73%** in the IIT-JEE Mains 2021, and secured the rank in the **top 1%** among 15 Lakh candidates..
- Attained **99.10%** in the MHT-CET 2021, and ranked among top 500 students statewide.
- Ranked **Top 15** in Accelerator Camp coding contest beating top students of IITs/NITs and IIITs.

Work Experience

Nullclass EdTech <i>Full Stack Developer Intern</i>	May 2024 – July 2024 <i>Remote</i>
<ul style="list-style-type: none">• Worked on both frontend and backend components, using technologies like React.js, Node.js/Express.• Implemented multiple language support within the web application, allowing users to seamlessly switch between different languages, enhancing global accessibility.• Developed and integrated subscription plans feature, enabling tiered service offerings and secure payment processing.	

Projects

CropGuardian: Farmer's Solution.	Source Code
<ul style="list-style-type: none">• Delivered a comprehensive Smart Agriculture System to enhance crop management and Disease Diagnosis.• Designed a Plant Disease Classification module using an EfficientNet CNN model with 97.2% accuracy, detecting 38 Types of Diseases.• Developed a Crop Recommendation System using a voting classifier ensemble (Random Forest, Naive Bayes, SVM, Logistic Regression, Gradient Boosting), achieving 99.24% accuracy.	

CircleTalk-ChatApp	Source Code Link
<ul style="list-style-type: none">• Developed a Real-time group chat application enabling multiple users to log in and chat in a single conversation space.• Utilized ReactJS for interactive frontend interface with CSS for styling.• Implemented Firebase Authentication for secure and seamless user login Firestore for real-time database management.	

Technical Skills

Languages: C, C++, HTML, CSS, JavaScript, Python, SQL

Frameworks & Libraries: ReactJS, NodeJS, ExpressJS, TailwindCSS, Bootstrap

Clouds & Databases: MongoDB, MySQL, AWS

Developer Tools: VS Code, Postman, Git, GitHub, Anaconda

Honours and Awards

Accelerator Programming Camp <i>Batch Of 2025</i>	AlgoUniversity (backed by Y-Combinator)
<ul style="list-style-type: none">• Got selected being in top 1.4% out of 40,000 students who applied, got mentorship under the senior engineers of Apple, Google, Grab Singapore, and Alphagrep Singapore.• Learned how to build scalable systems, deployments, and gained industry-level work experience.	

Relevant Courseworks

Operating Systems, Computer Networks , DataBase Management System, Object Oriented Programming