RITESH THAKARE

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Education

IIIT Gwalior   **2021 - 2026**
Integrated (BTech+MTech) in IT   *7.43/10 CGPA*

A.D.Joshi Junior College   **2021**
Class 12th, Maharashtra Board   *97%*

Work Experience

AlgoUniversity (backed by Y-Combinator)   **May 2025 – Going**
Co-Op Internship   *Remote*

- Worked on an **Online Judge** application that securely runs and evaluates code for correctness and efficiency
- Used **child process module** for compilation, providing solution verdicts and supports C++, Python, and Java
- Maintained a real-time **leaderboard** and **submission history** for user performance tracking
- Utilized **JWT** and **bcrypt** for authentication and implemented admin privileges for adding problems and test cases
- Implemented **Docker-based containerization** for code compilation, then deployed on **AWS EC2** instance
- Techstack used: **React.js** and **Tailwind CSS** for UI, **Node.js/Express.js** for backend, **MongoDB** for storage

BlueStock Fintech Company   **Aug 2024 - Sept 2024**
*Software Development Engineer Intern — **Link***   *Remote*

- Developed a web app and REST API to deliver real-time IPO data (price band, listing dates, market performance), enhancing user access to key investment insights.
- Built a secure backend using **Node.js**, reducing data retrieval time by **30%**.
- Integrated the solution into BlueStock's platform, enhancing utility for over **1 Lakh** users and boosting user engagement by **25%**.

Projects

InterviewCode Application   **GitHub** **Video Demo**

- Built a real-time collaborative code editor using React, Node.js, Express.js, Bootstrap, and Socket.io, enabling seamless multi-user coding in virtual rooms.
- Implemented synchronized real-time communication for consistent collaboration.
- Optimized technical assessments and code reviews with an interactive, interview-friendly interface.

TechDiscuss Application   **GitHub** **Video Demo**

- Built a technical discussion forum using **React, Node.js, Express.js, MongoDB, and Tailwind CSS**, allowing users to post and comment on technical content.
- Engineered secure user authorization using **JWT** and utilized **Bcrypt** liberary for Password protection.
- Delivered seamless interaction, real-time updates, and responsive design for optimal user experience across devices.

Algorithmic Achievements

- Attained a **Max Global Rating 1800** on LeetCode, ranking in the **top 10%** globally.
- Secured a **Global Rank 1466** out of 32,000 participants in LeetCode Weekly Contest 436.
- Secured a **Global Rank 1378** out of 24,000 participants in LeetCode Weekly Contest 428.
- Ranked among **top 1%** out of **1.2 million** aspirants in IIT JEE-MAINS 2021.
- Attained the elite **99.77** percentile in MHT-CET 2021, ranking within the **top 300** students statewide.

Technical Skills

Languages: C++, JavaScript, Python
Frameworks/Libraries: Node.js, Express.js, Next.js, React, TailwindCSS, CSS
Clouds/Databases: AWS, MongoDB, MySQL, Docker, Vercel
Developer Tools: VS code, Git, Github, Postman, Canva, Figma