MOHIT SAINI

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EDUCATION

Indian Institute of Information Technology Jabalpur   *Dec 2021 - Expected June 2025*
Bachelor of Technology - Computer Science Engineering
- **Relevant Coursework:** Data Structures and Algorithms, Database Management System, Object Oriented Design (OOD), Operating System, Computer Networks, Software Engineering, Cyber Security

TECHNICAL SKILLS

JavaScript, TypeScript, Python, C++, React.js, Node.js, Express.js, Next.js, Django, DRF, NestJS, DynamoDB, MongoDB, PostgreSQL, Redis, SQL, AWS S3, Linux, Git/GitHub, Docker, WebSockets, Prisma, TypeORM

EXPERIENCE

Catoff Gaming | Link   *June 2024 – Present*
Software Developer Intern | Nest.js, EC2, Jest, API Development, Python Scripting   *Remote*
- Designed high-performance **Nest.js** APIs to integrate Marvel Rivals and Fortnite, enhancing platform inter-operability and user engagement.
- Developed 10+ backend scripts to improve the reliability of background cron jobs using bash scripting.
- Administered **EC2** instances reducing costs by 30%, designed algorithm for email alerts on disk storage issues.
- Unit tests developed and implemented using Jest for 15+ services, ensuring robust code quality and reliability.

Blue Rocket LLC | Link   *Jan 2025 – Feb 2025*
Freelance Full Stack Developer | Next.js, MongoDB   *Remote*
- Spearheaded integration of 12+ AI tools (Video Enhancer, GPT Fine-Tuning) using **Next.js**, including API design, model customization, and deployment.
- Built a scalable integration framework with caching/code optimizations, reducing load times by 35%.

Fusion IIITDMJ | Link   *Jan 2024 – Apr 2024*
Backend Developer | Django, PostgreSQL, DRF   *Jabalpur*
- Engineered an automated end-to-end stock procurement workflow (indent filing → approval) with integrated validation features, streamlining operations for over 500 users using **Django** and **PostgreSQL**.
- Ensured smooth development through continuous communication with testing teams and module leads.

Pixaflip Technologies   *Feb 2023 – Apr 2023*
Software Developer Intern | React.js, Node.js, Docker, AWS Lambda   *Remote*
- Designed 5 module UIs in **React.js** for an AI-driven learning platform, personalized to learning styles.
- Used spaCy to analyze 1,000+ student responses, personalizing the platform for individual learning styles.

PROJECTS

InstaLive | Link   *Next.js, Typescript, Prisma, Redis, Youtube API V3, PostgreSQL, Fastify*
- A live streaming system built using agile, enabling seamless YouTube streaming in just 4 simple steps.
- Integrated live chat with real time auto-blocking feature for spammers built using **redis**, utilizing a ML model with 95% efficiency.
- Activated users to add unlimited images as overlays for live streaming, feature built using ffmpeg library.

FlashByte | Link   *React.js, Express.js, MongoDB, Socket.io, WebRTC*
- A platform for post sharing, enhancing community engagement and fostering meaningful connections.
- Implemented a real-time chat and video calling employing **web sockets** and the **WebRTC** standard.
- Employed Cloudinary for distributed storage, reduced management overhead and increased IR speed by 30%.

ACHIEVEMENTS

- Achieved a **LeetCode** rating of **1840**, demonstrating strong problem solving skills.   *Dec 2024*
- As **SIH 2023** finalists, stood out among over 500 competitors by developing a project that empowers small Indian sellers to use the DNK service for seamless international deliveries.   *Dec 2023*
- During **Hacktoberfest 2022**, made multiple impactful open-source contributions using **MERN**. *Oct 2022*
- Delivered an insightful and engaging talk as a **TedEd** Speaker.   *Mar 2022*