

MOHIT SAINI

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EDUCATION

Indian Institute of Information Technology Jabalpur

Dec 2021 - May 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, Image Processing, Cyber Security

EXPERIENCE

Catoff Gaming

May 2024 - Aug 2024

Software Developer Intern | Nest.js, AWS, Jest, API Development, Python Scripting

Remote

- Developed over 10 backend scripts to improve the reliability of background cron jobs using Bash scripting.
- Administered EC2 instances, reduced costs by 30%, designed algorithm for email alerts on disk storage issues.
- Formulated and implemented unit tests using Jest for 15+ services, ensuring robust code quality and reliability.

Fusion IIITDMJ

Jan 2024 - Apr 2024

Backend Developer | Django, PostgreSQL, DRF

Remote

- Built end-to-end workflow from indent filing to approval, and features that improved efficiency for 500+ users.
- Reduced the time taken for stock purchase from the date of indent filing by 60% compared to traditional way.
- Facilitated smooth development by maintaining constant communication with testing teams and module leads.

Pixaflip Technologies

Feb 2023 - Apr 2023

Software Developer Intern | React.js, Node.js, Docker, AWS Lambda

Remote

- Enhanced an AI-powered learning platform by designing 5+ modules tailored to individual learning styles.
- Modeled a serverless architecture using AWS Lambda functions to handle 10,000+ requests per month.
- Integrated the NLP library spaCy to analyze over 1,000 student responses and personalize learning content.

PROJECTS

InstaLive | [Link](#)

Next.js, Typescript, Prisma, Redis, Youtube API V3, PostgreSQL, Fastify

- A highly scalable streaming system built using agile, enabling seamless YouTube streaming in just 4 simple steps.
- Integrated live chat with auto-blocking feature for spammers, utilizing a ML model with 95% efficiency.
- Activated users to add unlimited images as overlays for live streaming, free of charge using ffmpeg library.

FlashByte | [Link](#)

ReactJs, ExpressJs, MongoDB, Socket.io, WebRTC

- A user-centric platform for post sharing, enhancing community engagement and fostering meaningful connections.
- Presented real-time chat and video calling employing web sockets and the WebRTC library.
- Employed Cloudinary for distributed storage, reduced management overhead and increased IR speed by 30 %.

TECHNICAL SKILLS

Languages C/C++, Javascript, TypeScript, Python

Frameworks ReactJs, NodeJs, ExpressJs, NextJs, Django, Flask, Fastify, FastAPI, NestJs, Web Sockets

Databases AWS DynamoDB, MongoDB, PostgreSQL, Redis, SQL

Tools AWS, Linux, Git/GitHub, Docker, Postman

ACHIEVEMENTS

- As SIH finalists, stood out among 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, I made 4+ impactful open-source contributions using React, REST API. Oct 2022
- Delivered an insightful and engaging talk as a TedEd Speaker. Mar 2022