

MISHIKA JAISWAL

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EDUCATION

Indian Institute of Information Technology and Management, Gwalior

July 2021 - July 2025

Bachelor of Technology - Computer Science

CGPA: 8.34/10

Lucknow Public College, Lucknow

April 2019 - July 2020

Class XII, ISC

Percentage: 95.20%

EXPERIENCE

Cisco Systems

January 2025 – Present

Software Engineer Intern

- Designed and deployed a **multi-agent system for automated error triage and root cause analysis**, leveraging a real-time **RAG pipeline** with **ChromaDB** and **Kibana logs** for deeper context to accelerate critical issue resolution.
- Built a **full-stack Django internal Runstats Dashboard** with real-time analytics, **custom PostgreSQL queries**, **dynamic filters**, **Chart.js** visuals, and UI/UX enhancements.

Devspark

May 2024 – July 2024

Web Developer Intern

- Built a **full-stack MERN application** for project management, increasing team collaboration by **30%**.
- Implemented **Google OAuth 2.0 authentication** with **role-based access control** for secure user access.
- Developed and optimized a **React.js, Node.js, and MongoDB-based system** with **AWS S3, CDN, and pre-signed URLs** for efficient file storage and retrieval.

Upwork

November 2023 – December 2023

Freelance Web Developer

- Designed a **responsive portfolio website** for the **KKNS organization**, increasing online visibility by **25%**.
- Optimized performance using **Next.js, Tailwind CSS, and Node.js**, improving user experience.

PROJECTS

Code Master - DSA Problem Search Engine | EJS, JS, Node.js, Express.js, BM25, TF-IDF



- Built a search engine that scrapes over **3,000 DSA problems** using **Selenium**.
- Enhanced search precision by **35%** through the application of **BM25** and **TF-IDF algorithms**.
- Optimized **RAM-based indexing** to reduce latency by **20%**.

AR Beats - Augmented Reality Music System | A-Frame, AR.js, Howler.js, HTML5, CSS3, JS



- Engineered an **AR music player** featuring **marker detection** and intuitive playback controls.
- Incorporated **Howler.js** for audio management, improving sound clarity by **25%**.

Femme Cab - Women-Centric Ride Booking System | React, Node.js, MongoDB, TensorFlow, Mapbox



- Designed a **secure ride-booking platform** with **real-time threat detection** powered by **OpenCV**.
- Utilized **Mapbox** for navigation, improving route accuracy by **15%**.

Digi Fund - Decentralized Crowdfunding Platform | Next.js, TypeScript, Solidity, ethers.js, Metamask, IPFS



- Created a decentralized crowdfunding platform using **Next.js** and **TypeScript** to enhance security.
- Implemented **Metamask for authentication** and leveraged **IPFS** for decentralized storage, ensuring secure transactions.

TECHNICAL SKILLS

Languages: C/C++ , Python, JavaScript, TypeScript, Solidity

Front-end Development: React, Django Templates, Next.js, Redux, HTML5, CSS3, Chart.js, SASS, Three.js, Web3.js

Back-end Development: Django, Node.js, Express.js, Ether.js, MongoDB, MySQL, PostgreSQL, Redis, Celery

LLM Tools/Frameworks: LangChain, HuggingFace Transformers, RAG Pipelines, ChromaDB

Technologies/Tools: AWS-S3, Git, GitLab, Postman, Figma, Cloudinary, Firebase, Vercel

Coursework: Object Oriented Programming, Database Management System, Operating System, Computer Networks

ACHIEVEMENTS AND POSITIONS OF RESPONSIBILITY

Problem Solver

Ongoing

Leetcode and GFG

Online Platforms

- Solved **800+ problems** on [Leetcode](#) and [GeeksforGeeks](#), strengthening **data structures, algorithms, and problem-solving skills**.

Open Source Contributor

May 2024 - July 2024

GSSOC'24

Global Open Source Community

- Contributed to high-impact **open-source projects** using **JavaScript and React**, specializing in **feature development, bug fixes, and performance optimization** to enhance scalability and user experience.