

# MOHIT KUMAR

Indian Institute of Information Technology, Allahabad

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## Education

### IIIT Allahabad

2021 – Present

Bachelor of Technology in Information Technology (CGPA: 8.05 (till 6th sem))

Prayagraj, U.P

### Army Public School S.P Marg, LKO (CBSE)

2019 – 2020

12th Percentage : 95.2%

Lucknow, U.P

## Experience

### Internship, Prodigy Infotech | [link](#)

Jan 2024 - Feb 2024

#### Web Development

- \* Developed and implemented responsive and dynamic user interfaces using React.js, ensuring that data from the RESTful API was displayed accurately and efficiently.
- \* Worked on RESTful APIs and seamlessly integrated them into web applications for dynamic data handling.
- \* Focused on front-end development with a solid understanding of backend concepts.

## Projects

### UrbanStore | Reactjs, Material-UI, Redux ,Node.Js, MongoDB | Demo

Dec 2023 - Jan 2024

- Developed a robust application with full **CRUD**, **user/admin panels**, **JWT authentication**, advanced search/filtering, and shopping cart/payment systems.
- Strong expertise in connecting backend systems with frontend interfaces, implementing **RESTful APIs** and data transfer protocols.
- Implemented secure **REST APIs** with **JWT authentication** to ensure safe data access and user privacy.

### DeepFake lip-sync Detection | TensorFlow, Keras, OpenCV, PyTorch, CNN | Demo

Apr 2024 - Jun 2024

- Implemented **multiple CNN architectures** (MesoNet, ResNet50v, EfficientNetB0) and hybrid models (InceptionV3+GRU, EfficientNetB2+GRU), achieving up to 95% accuracy in deepfake detection.
- Optimized models using **Adam optimizer** and sparse categorical cross-entropy loss, fine-tuning hyperparameters to improve performance and reach 82-85% test accuracy for hybrid models.

### Hostel-Management-System | HTML, Tailwind , JavaScript, PHP ,MySQL | Demo

Jun 2023 - July 2023

- Designed and developed a comprehensive Hostel Management System using **PHP for server-side logic**, **JavaScript for client-side** interactivity, and **MySQL** for database management.
- Implemented key features including user authentication with PHP sessions, **AJAX-powered** room allocation system, and **RESTful API endpoints** for seamless data exchange, resulting in 30% improved operational efficiency.
- Optimized **MySQL database** (50,000+ records) with indexing and JOINS, while integrating robust security measures including SQL injection prevention, XSS protection, and CSRF safeguards.

## Coding Profile and Achievements

- **Codeforces**– Highest Rating: 1341 ( **Pupil**) [mohitcodeup](#).
- **Knight (top 5.02%)** on [Leetcode](#) with a rating of 1881.
- Secured a Global rank of 616, 726, 988 in Leetcode weekly Contests.
- **GeeksForGeeks** Profile Link- [mohit7282kumar](#)
- Solved **1000+** **Coding Questions** on various Coding Platforms.

## Technical Skills

**Languages:** C++, C, Java ,HTML/CSS, JavaScript, SQL , Python

**Developer Tools:** VS Code, Eclipse, Android Studio , RESTful APIs, JWT

**Technologies/Frameworks:** React JS , Node JS, React Native, MongoDB,TensorFlow, Scikit-learn ,Keras, PyTorch

Linux ,GitHub, Git, Docker

## Course Highlights and Positions Of Responsibility

**Course Work:** Data Structures, Database Management System, Object Oriented Methodologies, Computer Networks, Operating Systems, Iot(Internet of Things), Machine Learning and Deep Learning .

### Responsibilities:

**Web Development Executive, Aparoksha'23 and Effervescence'23, IIIT Allahabad**

Led a team of **10 members** to create event websites, reducing page load times by 30%

Ensured digital presence for 2,000+ participants

**Program Manager, IIIT Student Committee, IIIT Allahabad**

Managed cross-functional teams for student initiatives, improving project execution time by 20%