

# Harshit Prakash Tiwari

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## EDUCATION

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### Greater Noida Institute of Technology (GNIOT)

Bachelor of Technology in Information Technology

Greater Noida, UP | 09/2022 – 05/2025

- Relevant Coursework: Data Structures and Algorithms, Database Management Systems, Object Oriented Programming

### Academic Heights Public School (Intermediate)

Gorakhpur, UP | 08/2018 – 05/2019

- Stream: Science (PCM)

### ST. Anthony Convent School (High School)

Gorakhpur, UP | 08/2016 – 06/2017

- Stream: Science (PCM)

## TECHNICAL SKILLS

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- Languages:** Python, JavaScript
- Concepts:** OOPS, List, Dictionary, REST APIs, Authentication
- Web Frameworks:** React.js, Django, Django REST Framework
- Frontend:** React.js, HTML, CSS
- Databases:** MySQL
- Tools:** Git, GitHub, Docker

## PROJECTS

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### EMERGENCY RESPONSE SYSTEM [GitHub](#)

- Built a real-time emergency response system using **Python, Django, JavaScript, React.js**, and **Leaflet.js**
- Enables users to raise emergency alerts (medical, accident, police), with real time location tracking
- Utilizes data analytics, and a **Random Forest classifier** to classify incidents and optimize emergency service dispatch

### GRIEVANCE REDRESSAL SYSTEM

- Web-based Grievance Redressal System built using **Python, Django, HTML, CSS**, and **SQLite**
- Provides secure user authentication and allows users to submit grievances online
- Stores grievances in the database with automatic date and time tracking

## PUBLICATIONS

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### Real-time emergency response system using geolocation, data analytics and machine learning

[IJIRAE](#)

- Studied the application of geolocation APIs and machine learning models to optimize emergency dispatch, predict incident severity, and reduce response times in critical situations.

### Automating grievance portal by automating central grievance redressal system using artificial intelligence

[IRJCS](#)

- Examined the limitations of traditional grievance handling mechanisms and proposed a centralized digital framework to improve transparency and resolution efficiency