

# Rohit Rawat

Ghaziabad, Uttar Pradesh, 201014 | C: 8826485977 | [rohit186201@gmail.com](mailto:rohit186201@gmail.com) | [LinkedIn](#) | [GitHub](#)

## PROJECTS

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- **Elliptic-curve Diffie–Hellman (Python3)** - Implemented the TLS draft 1.4 with “Elliptic-curve Diffie–Hellman” key exchange using python as base language and successfully demonstrated the server client working on the same using python asyncio. We also demonstrated the man in the middle attack by imitating a real time client using fake credentials and successfully defended it through runtime checks.
- **Developed an AI Model for images processing using Drone in Crop Monitoring (Python3)** - Developing an advanced deep learning model using Convolutional Neural Networks (CNN) for Drone Precision Farming and integrated it in a web application using Flask library of python. Leveraging TensorFlow and Keras libraries, the model effectively analyzes crop images captured by drones to detect plant diseases. Employing data augmentation and image preprocessing techniques, Cropeye achieves superior accuracy and robustness across various crops and environmental conditions.
- **Developed a personal portfolio website (HTML/CSS/JS)**- Developed a personal portfolio website using HTML/CSS/JAVASCRIPT and hosted it using GitHub pages.[\(Website Link\)](#)

## SKILLS

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- **Technical:** C++ | Python | MySQL | HTML | CSS | Java Script
- **Interpersonal:** Problem-solving | Tech Enthusiast | Optimistic | Teamwork
- **Technologies:** Proficiency with Git/GitHub, Windows, Unix/Linux, Mac
- **Coursework:** Operating System | Computer Networking | DBMS | Data Structures and Algorithms (DSA) | Ai/ML | Agile | Software Development | SDLC | Software Testing |

## ACADEMICS

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- Centre for Development of Advanced Computing (GGSIPIU), Noida (July 2022 – July 2024)  
**MCA**, Computer Science
- Ambedkar Institute of Technology (GGSIPIU), New Delhi (July 2019 – June 2022)  
**BCA** (2019-2022), Computer Science, CGPA: **8.54**

## HIGHLIGHTS

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- **Ranked 4th** in Talent Search Examination in 8th standard.
- **House Captain** in school
- Scored **104<sup>th</sup>** rank in CodeHaven Central India’s Biggest Coding Contest.
- **Level 6** coder on coding ninjas ([PROFILE: Link](#) )

## HOBBIES

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- Football player and follower, cricket by blood
- Avid DC comic books reader