

Rahul Kumar

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EDUCATION

Guru Gobind Singh Indraprastha University, New Delhi

Bachelor of Technology in Industrial Internet of Things

CGPA: 7.9

2021 – 2025

Indraprastha International School, Dwarka

Central Board of Secondary Education (C.B.S.E)

Percentage: 77.9%

2021

EXPERIENCE

Python Developer Intern

Mindrops Solutions Pvt. Ltd

- use and conducted testing for Celum AI platform.
- Built the HOP-DELHI website for government
- Contributed to mobile app development and assisted in maintenance of developed models.

Research Project Lead

AICTE Research Lab

AICTE IDEAL LAB

- Designed mine safety systems using smart helmets and bots with real-time GPS tracking.
- Built IoT-based tracking systems with contextual NLP mapping for enhanced accuracy.

PROJECTS

Mine Safety Monitoring System | *Python, IoT, Wireless Communication*

- Developed autonomous mine safety system with helmet and wireless tracking features for real-time monitoring.
- Implemented safety alert systems using TensorFlow and Scikit-Learn for data processing and evaluation.

Car Price Prediction Model | *Linear Regression, Random Forest, Python*

- Built ML model for car price prediction using historical datasets with feature engineering techniques.
- Utilized CarDekho and AutoTrader datasets with ResNet and CNN models for enhanced accuracy.

Hospital Bed Management System | *HTML, CSS, JavaScript*

- Developed responsive web app for hospital occupancy monitoring with real-time tracking systems.
- Implemented notification systems and collaborated with healthcare professionals for deployment.

CNN Image Classifier | *TensorFlow, Keras, Python*

- Created deep learning image classification system with preprocessing and model optimization.

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript, HTML/CSS, PHP(laravel),Postman(manual Testing) **Frameworks:** Laravel, Angular
Developer Tools: Anaconda, Jupyter Notebook, VScode, Git, GitHub **Soft Skills:** Problem Solving, Self-learning, Presentations, Adaptability **Relevant Coursework:** Machine Learning, Artificial Intelligence

POSITIONS OF RESPONSIBILITY

Co-President of Cerebrate – ACM IIoT Club

- Organized technical events and workshops, demonstrated leadership in college fest events.
- Fostered intellectual discourse and creative expression within the college community.

ACHIEVEMENTS

- Python Developer Intern - Mindrops Solutions Private Limited - [Certificate](#)
- Active member of ACM Chapter IIoT Club with design and promotional responsibilities
- Research experience in advanced photonic systems and infrared detection technologies