

# Karan Mishra

## Machine Learning and Software Developer

**Phone:** (+91) 7804895074

**Email:** [karansmishra.84@gmail.com](mailto:karansmishra.84@gmail.com)

**Portfolio:** [itsgkaranmishra.netlify.app](https://itsgkaranmishra.netlify.app)

**LinkedIn:** [itsgkaranmishra4](https://www.linkedin.com/in/itsgkaranmishra4)

**GitHub:** [CodeSage4D](https://github.com/CodeSage4D)

### Summary:

Detail-oriented Computer Science Engineer with a strong foundation in software development, machine learning, and data analytics. Adept at problem-solving and eager to leverage skills in new and challenging environments. Proven ability to deliver high-quality work in fast-paced settings.

### Technical Skills:

- **Programming Languages:** C/C++, Java, Python
- **Web Technologies:** HTML/CSS, Vanilla JS, Flask, Django, Eel, Cordova
- **Database Management:** MySQL
- **Version Control:** Git
- **Tools & Libraries:** PyTorch, Streamlit, Pandas, NumPy, VS Code, BeautifulSoup, Selenium

### Work Experience:

#### Research and Development Intern

Geek Theory Pvt. Ltd. | Ujjain, MP | Present

- Developed and integrated Cordova plugins using JavaScript, enhancing functionality by 20%.
- Conducted research and development in machine learning, resulting in a 15% improvement in model accuracy.
- Collaborated with cross-functional teams to identify and prioritize features and requirements, improving project turnaround time by 10%.

### Projects:

#### Telegram Bot for Web Scraping and Email Extraction

- Created a Telegram bot to extract and scrape company websites and emails, boosting lead generation efficiency by 25%.
- **Technologies Used:** Python, BeautifulSoup, Telegram API, Selenium

#### Marketing Lead Generation Tool

- Developed a tool that automated data extraction and analysis, increasing marketing lead generation by 30%.
- **Technologies Used:** Python, Pandas, NumPy, MySQL

#### Sentiment Analysis for Product and Voice Feedback

- Engineered a sentiment analysis system to evaluate product feedback and voice command-based feedback, achieving 90% accuracy in sentiment classification.
- Enhanced customer experience by providing actionable insights from feedback, resulting in a 20% increase in customer satisfaction.
- **Technologies Used:** Python, Streamlit, NumPy, Pandas, Matplotlib, NLP libraries

## Image Classifier Major - II Project

- Expanded the model to classify categories of flowers such as roses, sunflowers, lilies, dandelions, and tulips, achieving 87% accuracy.
- Technologies Used:** Python, Streamlit, ReLU, ResNet-18, Matplotlib, NumPy, pandas

## Fraud Detection Model

- Engineered a Random Forest model, achieving 99.97% accuracy in predicting fraudulent transactions from a dataset with 6.36 million rows.
- Performed cross-validation with a 80.08% mean score, ensuring robust model performance and avoiding overfitting.
- Identified key predictors such as transaction amount (16.24%), old balance (26.88%), and new balance (31.95%) for effective fraud detection.
- Technologies used:** Utilized Python, scikit-learn, pandas, and matplotlib for model development and performance visualization.

## Education:

### Bachelor of Science in Computer Science

Sri Aurobindo Institute of Technology, Indore, MP | 2020 - 2024

- CGPA: 8.26

### P.C.M. | XII

Rama Krishna Mission Vidyapeeth, Indore, MP | 2019 - 2020

- Percentage: 56.8%

### X

Rama Krishna Mission Vidyapeeth, Indore, MP | 2017 - 2018

- Percentage: 71.44%

## Certifications:

- Python, MSME Gov., 2021
- OpenAI - ChatGPT, ChatGPT Prompt Engineering for Developers
- International Math Olympiad, Zone Level - 2nd position secured

## Volunteer Experience:

- Organized the Scavenger Hunt in college fest.
- Coordinator in IEEE 3rd International Conference Data Science and Data Analytics IDBA-ACMWIR-2023, Indore.
- Coordinator in TEDxSAIT event "Extraordinary in Ordinary."
- Chief Secretary of the IEEE Student Branch in the MP section.
- Gold Medalist in Technical Quiz Competition at college fest secured 1<sup>st</sup> place.

## Strengths:

- Strong Willpower
- Innovative Thinking Capabilities

## Declaration:

I certify that the information provided in this resume is accurate and true to the best of my knowledge.

Year: 24

Signature: Karan Mishra