

# NISHANT KUMAR

Banka, Bihar

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## EDUCATION

### VIT Bhopal University

*Electronics and Communication(Artificial Intelligence and Cybernetics) - 8.7*

09 2022 – 05 2026

Bhopal, Madhya Pradesh

### KM Academy(12th)

*Percentage - 78.6%*

06 2019 – 07 2021

Munger, Bihar

### St. Joseph's School(10th)

*Percentage - 94%*

03 2009 – 05 2019

Banka, Bihar

## COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- Programming in Java
- Artificial Intelligence
- OOPS Concept
- Web Development
- Verbal Communication

## PROJECTS

### Library Management System | HTML, CSS, JavaScript, and Tailwind, Node Js

01 2024

- Built a full-stack library management system using React for the frontend and Tailwind CSS for sleek, responsive UI design, resulting in a 30% boost in user engagement..
- Designed and implemented a structured MongoDB database to manage and track over 5,000 books and membership metrics effectively..
- Developed robust Node.js backend services, incorporating RESTful APIs to handle all CRUD operations securely and efficiently, reducing data handling errors by 25% and improving system reliability by 40%.

### Hand Gesture Recognition System | Open CV, Mediapipe, Deep learning

04 2024

- Engineered system architecture employing Python and OpenCV to enable real-time image processing; established an efficient framework for gesture recognition that processed over 1,000 frames per second with minimal latency..
- Enhanced a deep learning model using TensorFlow/Keras to accurately classify hand gestures, achieving high accuracy through extensive training on a large dataset.

### Chat bot | Machine Learning, Botpress

06 2024

- Designed and enhanced a chatbot using Natural Language Processing (NLP) techniques, improving response accuracy by 30% and reducing query resolution time by 40% .
- Implemented machine learning models for intent recognition and entity extraction, increasing user query interpretation accuracy to 95% and enhancing overall user engagement.

## TECHNICAL SKILLS

**Languages:** Python, Java, C, JavaScript, SQL

**Developer Tools:** VS Code, Android Studio, IntelliJ Idea Ultimate

**Technologies/Frameworks:** Linux, GitHub, ReactJS, Redux, NextJS, NodeJS, ExpressJS, Git, MongoDB

## EXTRACURRICULAR

### Data Science Club

07 2023 – 04 2024

#### Role

- Organized and conducted monthly meetings for Data Science initiative
- Performed 12 meetings with around 50 participants in each and created awareness of Data Science. 3 Boot camps conducted and 4 major projects created

### Chess

07 2018 – 10 2018

#### Role

- Secured Silver medal in zonal level and Participated in regional level

## CERTIFICATIONS

- Cybersecurity Essentials - Cisco
- Computer Vision - Vityarthi
- Fundamentals in AIM - VityarthiL
- Industrial IoT Markets and Security - Coursera