

# Nirman kumar

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## SUMMARY

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Computer Science graduate with experience in software development, machine learning, and full-stack web development. Proficient in Python, Flask, and cloud technologies. Strong in problem-solving and building scalable, user-centric solutions.

## TECHNICAL SKILLS

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- Programming Languages: Python, SQL, PHP,
- Databases: SQLite.
- Technologies: Machine Learning, Computer Vision, Cloud Computing, Data Analysis, Web Development
- Libraries: TensorFlow, OpenCV, NumPy, Pandas, Flask.
- Tools: Tableau, MS Excel, Power BI, GitHub, VS code.

## EXPERIENCE

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### Artvision Studio PVT.LTD.

Patna

Junior web developer | Jun 2025 – Dec 2025 | [Link](#)

- Developed and optimized responsive layouts using HTML, CSS, and JavaScript, ensuring seamless user experience across mobile, tablet, and desktop devices
- Integrated a dynamic contact form with backend validation and email handling using PHP, improving customer inquiry management.
- Enhanced website performance by compressing images, minifying CSS/JS, and implementing caching strategies, reducing average load time by 2 seconds.
- Built dynamic employee portfolio websites with frontend–backend integration, secure login, and an admin panel to manage profiles via an SQLite3 database.

### Software Education & Research PVT. LTD.

Patna

Programmer | Jan 2024 - Sep 2024 | [Link](#)

- Enhanced facial recognition for low-quality images using image processing techniques.
- Designed a duplicate image detection system that grouped similar faces in a structured SQL database.
- Built a backend trading platform with real-time NSE option chain integration and dynamic index graphs.
- Created a routing tool using Python libraries to calculate all possible routes between coordinates or user inputs.

## INTERNSHIP

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### CSDT IT Solution (Unit of Priya IT Solution LLP)

Patna

Python Intern | Dec 2022 – Feb 2023 | [Link](#)

### Splen Technology & Education PVT. LTD.

Remote

Machine Learning Intern | June 2021 - July 2021 | [Link](#)

## PROJECTS

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### Stock price prediction

Aug. 2023

Python, NumPy, Yahoo finance, Stream lit | [Link](#)

- Forecasted future stock performance using historical data and news indicators.
- Built a portfolio simulation tool to minimize risk through diversification.

### Face mask detector

Jul 2022

Python, TensorFlow, Open-CV | [Link](#)

- Built a real-time face mask detection system using computer vision and deep learning.
- Trained a classifier to distinguish masked and unmasked individuals from camera input

### Chatbot

July 2021

Python | [Link](#)

- Implemented a contextual chatbot using Seq2Seq with an attention mechanism.
- Enabled dynamic response generation based on user input and dialogue context.

## EDUCATION

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### Bachelor's of Technology in Computer Science & Engineering

Bihar Engineering University, Patna | 2019 - 2023

CGPA: 7.81/10

## **Intermediate**

Adarsh Vikas Vidyalaya, Patna | 2016 - 2018

**Percentage:** 61%

## **Matriculation**

Adarsh Vikas Vidyalaya, Patna | 2016

**CGPA:** 10/10

## **CERTIFICATIONS**

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- Artificial Intelligence – NASSCOM | Virtual | [Link](#)
- Cloud Computing – NPTEL | Virtual | [Link](#)
- The Joy of Computing Using Python – NPTEL | Virtual | [Link](#)
- PHP and MySQL – Spoken Tutorial, IIT Bombay | Virtual | [Link](#)
- Cybersecurity Virtual Internship – Cisco Networking Academy | Virtual | [Link](#)

## **EXTRA-CURRICULAR ACTIVITIES**

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- President [ DAKSHA - college student community]  
Jan 2022 – Dec 2022
- Headed the cultural cum sports fest IGNIS -2022, LNJPIT CHAPRA