

# Nikita Sahoo

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## EDUCATION

### Pondicherry University

*Masters of Computer Application (MCA); GPA: 8.39/10*

Pondicherry, India

*Oct. 2023 – May 2025*

### North Odisha University

*Batchelor of Science; GPA: 7.8/10*

Odisha, India

*Sep. 2018 – July 2021*

## PROFESSIONAL EXPERIENCE

### Infosys Springboard

*AI Developer Intern*

Odisha, India

*Aug. 2025 – Present*

- Selected for the **Infosys Springboard Internship Program** in the Artificial Intelligence & Machine Learning domain.
- Developing and maintaining scalable software applications aligned with industry standard and Collaborating with cross-functional teams to deliver efficient AI-driven solutions.

### NIT Patna

*AI Software Developer Intern (Dept of Computer Science and Engineering)*

Bihar, India

*Feb. 2025 – July 2025*

- Action Centre:** Developed an AI-based music recommender system that uses Deep Learning Autoencoders for dimensionality reduction of high-dimensional audio/text features. Achieved 98.97% recommendation accuracy, 14.41% training loss, and 41.12% validation loss. The model is deployed on the web with Flask + REST API.
- Engineered end-to-end data pipeline using Pandas and NumPy to pre-process audio metadata and textual features, decreasing data preparation time by 60% and facilitating more efficient model training cycles.
- Tools:** Python, Pandas, NumPy, Jupyter Notebook, Flask, REST API, Deep Learning (Autoencoders).

## PERSONAL PROJECTS

### CONTENT-BASED MUSIC RECOMMENDATION SYSTEM | NIT Patna | [Project Link](#)

Feb 2025 – July 2025

- Developed a content-based recommendation engine for suggesting similar songs using metadata and textual features.
- Tools:** Python, Flask, Pandas, NumPy, REST API.

### UNIVERSITY HALL BOOKING SYSTEM | [Project Link](#)

Sep 2024 – Jan 2025

- Designed a scalable platform for booking university halls with **role-based secure authentication**.
- Implemented front-end interactivity with AJAX and back-end logic with PHP/MySQL.
- Tools: PHP, MySQL, HTML, CSS, JavaScript, AJAX

## SKILLS

### TECHNICAL SKILLS:

**Programming Languages:** Python, Java

**Frameworks:** Django, Flask

**Tools:** Tableau, Power BI

**Others:** Data Analytics, Debugging, Testing, DSA, CN, OS, CI/CD, DSA

### SOFT SKILLS:

Communication, Leadership, Problem Solving, Productivity, Time Management

## CERTIFICATION

- NPTEL** : "Joy of Computing with Python" under IIT Madras.
- IIRS** : "Geo-Data Sharing and Cyber Security" under Institute of Remote Sensing, Dehradun.
- DELOITTE**: Data Analytics on Forage.
- INFOSYS Certificates** : Selected for the Infosys Springboard Internship 6.0. Machine Learning course