

# Suraj Kumar Jha

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## EDUCATION

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**St Andrews Institute of Technology and Management**

Gurugram, Haryana

*Bachelor of Technology - CSE with Artificial Intelligence and Machine Learning* November 2020 – July 2024

## EXPERIENCE

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**Software Development Intern**

Jan 2024 – october 2024

*SmartData Enterprises*

*Chandigarh*

- Created a modern prototype in React, enhancing the user experience from the existing WordPress site.
- Improved rendering time and functionality across devices, ensuring a seamless user experience.
- Worked with designers and developers to implement new features and troubleshoot issues.
- Ensured the website was mobile-friendly and adhered to best practices.

## PROJECTS

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**Go-Food** / *JavaScript, React, MongoDB, Node JS, Express JS,*

- Implemented Secure login/signup with JWT authentication, Optimized for mobile and desktop viewing.
- Created restaurants to list items with prices, images, and descriptions.

**Movie Recommendation system:** / *Python, Numpy, Tensorflow, sklearn, kreas*

- Cleaned and preprocessed movie datasets to extract relevant features..
- Designed the system to handle large datasets efficiently.
- Suggested movies based on user ratings, genres, and viewing history..

**Illegal Chemical Dump Sites:** / *Python, pandas, matplotlib, streamlit*

- Developed a web application to predict potential illegal chemical dump sites using machine learning.
- Implemented AI-based predictive algorithms to classify dump sites, Allowed users to input new data and receive instant site risk evaluations.
- Integrated data visualization tools to present analysis results graphically for easy interpretation.
- Designed a user-friendly interface using Streamlit for seamless interaction

## TECHNICAL SKILLS

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**Languages:** Python, Java, C/C++, SQL, JavaScript, HTML/CSS

**Frameworks:** React, NextJS, Node.js

**Developer Tools:** Git, Docker, Visual Studio Code, PyCharm, IntelliJ, Eclipse

**Libraries:** pandas, keras, Tensorflow, NumPy, Matplotlib