

Shantanu

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Hello, I'm **Shantanu Singh**

Computer Science Student | Machine Learning Enthusiast | IoT Developer

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# Work Experience

## Research Intern

**National Institute of Technology, Patna** (May 2024 - Present)

- Developed and optimized NLP models (LaBSE & BERT) to classify sexist content in tweets.
- Achieved an F1-score of 96.85% using LaBSE for multilingual model comparison.
- Advanced social network analysis to combat online sexism.

## Skills

## Highlighted Projects

### Task Management App

Created a lightweight Flask application to manage tasks efficiently. Leveraged Kubernetes and Docker for easy deployment and scalability.

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### Personal Finance Tracker

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## ML Research

Conducting research on machine learning models for detecting prostate cancer under **Dr. Pradeep Kumar Mallick**. Key points:

- Analyzing MRI datasets for feature extraction and classification.
- Implementing and optimizing models such as Random Forest and Deep Learning frameworks.
- Working towards developing a reliable diagnostic tool to assist medical practitioners.

## Positions of Responsibility

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- Organized successful free medical camps in prominent slum areas around Bhubaneswar.
- Facilitated access to basic healthcare for underserved communities.

## AI/ML Member

### AWS Cloud Club, KIIT

- Contributed to the AI/ML initiatives within the AWS Cloud Society, focusing on leveraging cloud technologies for innovative machine learning solutions.
- Collaborated with peers to build and deploy cloud-based ML models.

## Marketing and Public Relations Member

### USC.KIIT

- Promoted the community's initiatives and events to a broader audience.
- Enhanced public engagement through creative campaigns and strategic planning.

## Published Paper

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Published on IEEE Xplore.

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## Contact Me

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