

# SONU SHIVAM

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## EDUCATION

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### Vellore Institute of Technology

B. tech, CSE Specialization in AI and ML

**Bhopal, MP**

Sep 2021 - ongoing

### Kendriya Vidyalaya Danapur Cantt

Class 12<sup>th</sup> (79%)

**Patna, Bihar**

June 2021

### Kendriya Vidyalaya Danapur Cantt

Class 10<sup>th</sup> (87.4%)

**Patna, Bihar**

March 2019

## SKILLS

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- Programming: JAVA, Python
- Machine Learning
- Database: SQL
- Soft Skill: Team Work, Adaptability, Attention to Detail, Collaboration

## CERTIFICATIONS

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- **ETHNUS**: MERN Full Stack internship Program
- **SmartInternz**: AIML by Google Developers
- **NPTEL**: Privacy and Security in Online Social Media

## ACADEMIC PROJECTS

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### Diabetes Prediction

(Jan 2024 – Mar 2024)

- Developed a machine learning model to predict diabetes, utilizing advanced algorithms to enhance early detection and improve healthcare outcomes.
- Processed patient data and optimized model performance using feature selection and hyperparameter tuning.
- Technology: Python, Scikit-learn, Pandas, Machine Learning.

### Smart Bin

(Dec 2023 – May 2024)

- A complete waste management system with the integration of both hardware as well as software for proper waste management.
- Implemented real-time monitoring to detect when bins reached 80% capacity, triggering location-based alerts for efficient waste collection.
- Improved public health by minimizing odor and reducing the risk of disease, benefiting both communities and municipal workers.
- Technology: Android Studio, Google Firebase
- Team Project: 10 members
- Role: Frontend Developer

## ADDITIONAL INFORMATION

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### Hobbies and Interests

- Chess Player: Regularly play chess to improve strategic thinking and problem-solving skills.
- Represented school at divisional level in football tournament, demonstrating teamwork and competitive spirit.