



Sana

Roll No.: 2249002

Bachelor of Technology

National Institute Of Technology, Patna

+91-9905263385

✉ sanaekram123@gmail.com

✉ sana.dd22.ee@nitp.ac.in

🌐 LinkedIn Profile

EDUCATION

•National Institute of Technology Patna

2027

Electrical Engineering with Specialization In Power System Engineering (Bachelor and Master of Technology) CGPA: 7.83

•G S Convent, Uttarakhand

2021

CBSE, Science - Intermediate

Percentage: 89.4

•G S Convent, Uttarakhand

2019

CBSE, Matriculation

Percentage: 92.2

PROJECTS

•Pam Auto Voice Assistant (GitHub Repo)

Developed an AI-powered voice assistant that enables users to interact via speech recognition and receive intelligent responses.

- Tools & technologies used: React, OpenRouter AI, Material UI
- Leveraged React and OpenRouter AI for developing a seamless voice assistant, integrated with Material UI for an intuitive and responsive user interface. The system uses speech recognition for enhancing customer service experiences.

•FlashBook (GitHub Repo)

Built a flashcard generation tool that allows users to input book titles and authors, creating and saving flashcards for easy study.

- Tools & technologies used: Next.js, React, Firebase, Clerk, Stripe
- This project includes a flashcard generation tool, user authentication with Clerk, payment processing through Stripe, and Firebase for storing flashcards and user data. A clean, responsive UI enhances user interaction.

•Robust Data-Driven Model Predictive Control (MPC)

Explored advanced control strategies for optimizing dynamic systems using data-driven techniques.

- Key Concepts: Data-Driven Control, Model Predictive Control (MPC), Robust Optimization.
- Technical Understanding: Studied algorithmic design and practical implementations for enhancing system robustness under uncertainties.

TECHNICAL SKILLS

Languages: C++, Python, MATLAB, JavaScript, HTML, CSS

Frameworks & Tools: React.js, Node.js, Firebase, AWS, OpenCV, NumPy, Tailwind CSS

Techniques: machine learning, Deep Learning, NLP, RAG, LLM

Productivity Tools: Microsoft Office, Canva

Operating Systems: Windows, Linux

CERTIFICATIONS

•NASA international space apps challenge(galactic problem solver) (GitHub Repo)

2024

Created an orrey Web App that display near- earth object

spaceX

CODING PROFILES

CodeChef | LeetCode | gfg | Codeforces