

# Snahanku Karar

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[Github](#) — [Leetcode](#) — [LinkedIn](#)

## Education

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- **B.Tech in Computer Science Engineering**, Techno International New Town CGPA: 7.87/10 (up to 7th semester)
- **Higher Secondary**, St. Thomas High School  
Percentage: 74.83 [Aggregate]
- **Secondary**, St. Thomas High School  
Percentage: 69.6 [Aggregate]

## Internships

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- **SDE Intern**, Indian Institute of Technology Bombay (IIT-B)  
*Jan 2024 - Dec 2024*
  - Designed and implemented the user interface for Project Udaan.
  - Resolved 15+ significant bugs, including server-side and authentication bugs.
  - Implemented language conversion functionality and OCR-email pipeline.
  - Tested 20+ API endpoints for improved user accessibility.
- **DevRel Intern**, MadScientist  
*Aug 2024 - Nov 2024*
  - Developed a detailed blog on the MadScientist platform.
  - Hosted creative tech talks and created detailed bug reports to assist the development team.

## Projects

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- **Calorie Shift Tech Stack: HTML, CSS, Django, Bootstrap 5, API** ([Link](#))
  - Created a system to help users track their calorie intake by analyzing the food they log and matching it with a detailed nutrition database.
  - Implemented algorithms to calculate the caloric input and generate exercise recommendations.
  - Personalized workout suggestions designed based on each user's eating habits, fitness goals, and activity level.
- **Grammify Tech Stack: Python, Whisper ASR(Transformer), matplotlib, Librosa** ([Link](#))
  - **Built a Grammar Scoring Engine:** Developed a system to evaluate grammar in spoken data using Whisper ASR for transcription and LanguageTool for grammar analysis..
  - **Feature Extraction & Model Training:** Extracted audio features (MFCCs and grammar errors) and trained a **Random Forest Regressor** to predict grammar scores.
  - **End-to-End Solution:** Created a complete pipeline for audio preprocessing, transcription, and grammar scoring, improving accuracy in evaluating spoken data.
- **CryptoCanvas Tech Stack: ReactJs, NodeJs, Crypto API** ([Link](#))
  - Designed an intuitive dashboard to display real-time cryptocurrency data, making it easy for users to stay updated.
  - Created an interactive dashboard featuring real-time crypto data using interactive charts.
  - Integrated interactive charts to dynamically visualize trends, price fluctuations, and market performance.

## Achievements

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- Accomplished 4th Rank in the GDSC Solution Challenge, developing a text-to-Braille converter.
- Secured 1st place in the software category during Round 1 of Smart India Hackathon (SIH).
- Three-star coder at HackerRank ([Link](#)).

## Key Skills

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Python | Java | Django | HTML | CSS | Django REST Framework (DRF) | React.js | Node.js | MySQL | Machine Learning | Matplotlib | Generative AI .