

# Saptarshi Bose

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## EDUCATION

### Vellore Institute of Technology

B.Tech. in Computer Science and Engineering (Hons.)

Amaravati, Andhra Pradesh

Expected Graduation, September 2028

- **Concentrations:** Artificial Intelligence and Machine Learning
- **Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Combinatorics, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications

### Modern Public School

Higher Secondary

Chandannagar, West Bengal

March 2024

- **Concentrations:** Pure Science with Computer Science
- **Subjects:** Physics, Chemistry, Mathematics, Computer Science and English

## EXPERIENCE

### Accenture Australia

Technology Consulting Job Simulation on Forage

Chandannagar, West Bengal

September 2024

- Completed a job simulation designing a client product for Accenture Australia's public sector team.
- Developed interview strategies and questions to align client requirements with the project's design.
- Created a detailed process flow and design presentation for client review.
- Wrote user stories to pivot the project into an agile approach and keep the design in-line with customer values.

### Center of Excellence in Artificial Intelligence and Robotics, VIT-AP

Student Researcher

VIT University, Andhra Pradesh

March 2025

- Engaged in hands-on learning with Arduino, ESP32, servos, and IoT devices, exploring their real-world applications in robotics.
- Collaborated with team members on innovative projects, fostering interdisciplinary teamwork and technical problem-solving.
- Explored core robotics principles including inverse kinematics and motion dynamics through guided experimentation.
- Developed a strong foundation in Artificial Intelligence and Machine Learning, with a focus on practical implementation, model training, and intelligent system design.

### The Machine Learning Club VITAP

Co-Lead, Machine Learning Team

Machine Learning Team member

Technical Team Member

VIT University, Andhra Pradesh

November 2024

- Attended workshops and technical events to enhance my understanding of machine learning concepts and applications.
- Contributed to research initiatives by compiling and analyzing relevant information.
- Authored summary blogs to document insights and share knowledge gained from research and workshops.

### BONGOJO – The Bengali Association Of VIT-AP

Social Media Team Member

VIT University, Andhra Pradesh

January 2025 – March 2025

- Collaborated on creating and editing engaging reels, including conceptualizing and refining their plot to boost audience interaction.
- Actively participated in organizing and promoting cultural events and functions, fostering a vibrant community atmosphere.
- Supported the team in highlighting Bengali culture through creative digital content and event management.

## PROJECTS

### Vtron

Developer

Chandannagar, West Bengal

August 2024

- Developed a Python-based voice assistant with a graphical interface (GUI) to automate daily tasks, fetch news, and solve mathematical queries through voice commands.
- Integrated APIs for weather updates, email automation, and scheduling, allowing users to manage tasks seamlessly using natural language processing.

<b>Safyra (Hackathon Project)</b>	<b>VIT University, Andhra Pradesh</b>
<i>Developer</i>	<i>April 2025</i>
<ul style="list-style-type: none"> <li>Developed a Python-based personal safety platform, Safyra, featuring a web dashboard to simulate smart ornament functionalities, providing real-time threat detection, emergency alerts, and evidence recording for women’s safety.</li> <li>Integrated APIs for mock IoT data (e.g., battery status, video streams), AI-driven threat analysis (using OpenCV, Python), and a subscription model (\$5-\$15/month), with B2B partnerships for jewelry brands and security firms, ensuring a seamless software-driven safety solution.</li> </ul>	

<b>Netflix clone</b>	<b>Chandannagar, West Bengal</b>
<i>Developer</i>	<i>May 2024</i>
<ul style="list-style-type: none"> <li>Created a static Netflix clone with HTML and CSS, replicating the platform’s UI.</li> <li>Designed a responsive layout for smooth adaptation across all screen sizes.</li> </ul>	

<b>To-Don't List (Hackathon Project)</b>	<b>VIT University, Andhra Pradesh</b>
<i>Developer</i>	<i>January 2025</i>
<ul style="list-style-type: none"> <li>Developed "To-Don't List," a quirky productivity app designed to humorously demotivate users into being productive.</li> <li>Leveraged TypeScript, ReactJS, and CSS to create an engaging and responsive user interface.</li> </ul>	

## ACTIVITIES AND LEADERSHIP

<b>Modern Public School</b>	<b>Chandannagar, West Bengal</b>
<i>School Captain</i>	<i>April 2024–December 2024</i>
<b>Modern Public School</b>	<b>Chandannagar, West Bengal</b>
<i>School Representative</i>	<i>June 2018 – December 2024</i>
<ul style="list-style-type: none"> <li>Represented the school in multiple interschool competitions, including debates, scrabble, Olympiads, and talent search exams, showcasing leadership and academic excellence across diverse events.</li> </ul>	

<b>VIKAS 2024</b>	<b>VIT University, Andhra Pradesh</b>
<i>Contributor</i>	<i>November 2024</i>
<ul style="list-style-type: none"> <li>Presented my project "Vtron" at the VIKAS 2024 Tech Expo, demonstrating its innovative features and real-world applications.</li> <li>Engaged with visitors, explaining technical concepts and gathering feedback to enhance the project further.</li> <li>Collaborated with peers showcasing projects on blockchain and robotics, contributing to a dynamic and insightful event experience.</li> </ul>	

## SKILLS

**Programming:** Java, Python, JavaScript, HTML/CSS, MATLAB, Prompt Engineering  
**Tools:** IntelliJ, PyCharm, AWS, Jupyter Notebooks, Git, GitHub, VS Code, MongoDB  
**Soft skills:** Entrepreneurship, Debates, Speech, Anchoring, Extempore

## LANGUAGES

**English:** Full professional proficiency.  
**Bengali:** Native or bilingual proficiency.  
**Hindi:** Limited working proficiency.