

# Debangshu Chatterjee

Smart India Hackathon 2024 Runners Up

Infosys Global Hackathon State Rank 1



## About

Result-driven engineer with expertise in GenAI, Cybersecurity and Full Stack Development. Recognized as SIH 2024 Runners Up and Top 3 at IEEE YESIST12 Malaysia I have skilled myself in teamwork, leadership, and problem-solving, with a passion for applying technology to deliver innovative, impactful solution to real world problems.

## Bio

- Debangshu Chatterjee
- Nationality: Indian
- 2005

## Area of Specialization

- GenAI
- Deep Learning
- MERN stack development
- Ethical Hacking

## Languages

- English
- Bengali
- Hindi
- French

## Skills

- C | C++ | Java
- Python | SQL | Typescript
- Javascript | Matlab

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## EXPERIENCE

Aug 23-Oct 25	<b>IIC IEM  PROJECT INTERN</b> <ul style="list-style-type: none"><li>Designed and Engineered a wearable IoT-based Anti-Tremor Band integrating accelerometer sensor calibration, machine learning algorithms to monitor and reduce hand tremors.</li><li>Developed and Deployed KrishakSure, an AI/ML-powered platform offering farmers real-time crop insights and personalized loan advisory.</li><li>Ideated and implemented MindPal, an AI/ML-driven AR/VR system enhancing engagement and therapy for individuals with autism.</li></ul>
Nov 2025 - Present	<b>IOT DEVELOPMENT INTERN   IEMA</b> <ul style="list-style-type: none"><li>Working as an IOT Development intern at IEMLABS Kolkata on a humanoid robot development.</li></ul>
July 25-Aug 25	<b>JU NLP LAB   RESEARCH INTERN</b> <ul style="list-style-type: none"><li>Worked with Prof.Dr.Dipanjan Das at Jadavpur University NLP Lab on information retrieval task using rerankers, RAG pipelines, and transformers.</li></ul>

## DEGREES

July 2023 - May 2027	<b>IEM , Kolkata</b> <ul style="list-style-type: none"><li>B.Tech in CSE(IOTCSBT) - 8.88Y GPA</li></ul>
April 2021 - April 2023	<b>South Point High School,Kolkata</b> <ul style="list-style-type: none"><li>Class 12 CBSE - 77%</li></ul>
April 2008 - April 2021	<b>South Point High School,Kolkata</b> <ul style="list-style-type: none"><li>Class 10 CBSE - 88%</li></ul>

## PROJECTS

September 2025	<b>IEEE YESIST12 , Malaysia   Team Lead   SteadyStride   Rank Top 3 Global</b> Engineered a wearable band for individuals suffering with hand tremors for Essential Tremor.
August 2025	<b>Infosys Global Hackathon 2025 Hyderabad   Team Lead   KrishakSure   Rank 8 Global</b> Built and deployed KrishakSure, an omnichannel farmer advisory and automated loan approval platform
May 2025	<b>ICYIM Kolkata 2025   Team Lead   Mindpal   Rank 2</b> Designed MindPal, integrating AR/VR and gamification to enhance attention therapy for autism.
July 2025	<b>Hexafalls 2025 Kolkata   Team Lead   Recruitix  Track Winner</b> Developed and deployed XenCruit, an interview preparation solution integrating eyeball-based procturing & intelligent chatbot assistance.

## CERTIFICATES

2025	Introduction to GenAI - GOOGLE
2025	AI with Hand -DEEP DUO FOUNDATION
2025	IIC Innovation Ambassador Programme
2025	Generative AI - Coursera

## PATENTS

2025	Beyond the Bin: Smart Waste Disposable Bin @Patent ID - 202431004110
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## AWARDS

- Sept 2025 - Tata Social Enterprise Challenge Winner
- Sept 2025 - Infosys Global Hackathon AIR 8th
- Sept 2025 - IEEE YESIST12 Malaysia 2025 Top 3
- Aug 2025 - Infosys Global Hackathon State Winner
- July 2025 - Hexafalls 2025 Prepverse Track Winner
- May 2025 - ICYIM 2025 1<sup>st</sup> Runners Up
- Feb 2025 - AICTE IDE Bootcamp Phase II Winner
- Jan 2025 - AICTE Yukti Udayamahotsav Top 30
- Dec 2024 - Smart India Hackathon Finalist
- Nov 2024 - AICTE Inventor Challenge Finalist
- Sept 2024 - AICTE IDE Bootcamp Phase I Winner
- May 2024 - Tech Intella 2024 2<sup>nd</sup> Runners Up

## PUBLICATIONS

2025	D.Chatterjee and S.Jana, ResumeAnalyzer: An AI Powered Approach to Job Matching and ATS Optimization. Inpress.
2025	D. Chatterjee, P. Samanta and S. Jana. A Unified Framework for Emotion and Behavioral Modelling in Digital Mental Health Therapy. Taylor and Francis Book Chapter, 2025. In press.
2025	D. Chatterjee, N. Roy and S. Jana. Ethical Resilience in the Age of Data Poisoning: Safeguarding AI Integrity for the Future Nova Book Chapter, 2025. In press.

## DECLARATION

I hereby declare that all the information provided above is true, accurate, and complete to the best of my knowledge.