

DEEP MOITRA

Kolkata, West Bengal

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Education

Techno International NewTown, Kolkata, West Bengal, India <i>Bachelor of Technology (B.Tech), Artificial Intelligence and Machine Learning (CGPA: 8.48)</i>	2022 – 2026
	<i>West Bengal, India</i>

- Senior Secondary from Sudhir Memorial Institute, Kolkata, West Bengal, India(CBSE) 87% (2021)
- Secondary from Baldwin Academy, Patna, Bihar, India (CBSE) 92% (2019)

Experience

GamerThred <i>Web Development Intern</i>	May 2025 – July 2025
	<i>Remote, India</i>

- Designed, developed, and deployed a responsive, high-performance web application using React.js, enabling seamless user experiences under live traffic and collaborated within an agile development team to deliver features on schedule, contributing actively to bug fixes and functionality improvements..
- Developed secure backend APIs for user signup and login using Node.js/Express, implementing JWT authentication and bcrypt password hashing, ensuring data security and enabling seamless user access.

Projects

GothamAI Chat – AI Code Reviewer and Chat App | *ReactJs, NodeJs ,GenAI* | [LINK](#)

- Developed a full-stack AI chat application enabling real-time messaging between users and code review with the help of genAI
- Implemented GenAI-driven feature to provide **structured, optimized, and modern code suggestions** with accurate bug fixes and improvements.
- Designed an intuitive UI , supporting user authentication, message time tracking, and message persistence via MongoDB.

Restaurant Management App | *Node.js, Express.js, MongoDB* | [LINK](#)

- Developed a **restaurant management system** with authentication, authorization, and **role-based access control**. Implemented **CRUD operations** for managing waiters and restaurant data, enabling real-time updates and efficient operations.

ACO-LDA Topic Modeling Project | *Python, NLP, Ant Colony Optimization, LDA* | [LINK](#)

- Built a **topic modeling system** integrating **ACO** with **LDA** to optimize hyperparameters and improve coherence scores. Tuned LDA parameters adaptively, enhancing model performance.
- Visualized and analyzed word distributions, comparing standard LDA with ACO-optimized results.

Achievements

- Contributed to GirlScript Summer of Code (GSSoC 2024), raising and merging 4 pull requests across 4 open-source projects using HTML, CSS, JavaScript, and Chrome Extensions—demonstrated collaborative development and code review proficiency.
- Appointed City Lead for KGeN; led a team of 10+ members as Clan Chief, managing tasks, mentoring peers, and ensuring timely mission completion.
- Delivered a freelance UI/UX design project, building 5+ responsive screens for web and Android platforms with a user-centric, mobile-first approach.
- Secured 12th rank in a college-level internal hackathon during the Smart India Hackathon.
- Completed a government internship at the Bureau of Indian Standards (BIS), improving marketing outreach effectiveness by 10% through targeted strategies.

Technical Skills

Languages: C++,JavaScript, HTML5, CSS3

Frontend: React.js, Tailwind CSS, Bootstrap, Figma

Backend: Node.js, Express.js ,MongoDB

Tools: Git, GitHub, Postman,GithubCopilot