

# ABHISHIKTA RAY

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📄 GitHub in LinkedIn 🌐 Website

## EDUCATION

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- **Secondary**, St. Claret School (ICSE) 2010-2020  
Percentage: 97.6%
- **Senior Secondary**, Sudhir Memorial Institute (CBSE) 2020-2022  
Percentage: 94%
- **B.Tech CSE**, Techno Main Salt Lake, Kolkata (MAKAUT) 2022-2026  
CGPA: 9.19 (Till 5th Sem)
  - **Relevant Coursework:** Data Structures and Algorithms, Object Oriented Programming, DBMS, Software Engineering, Operating Systems
- **Ongoing Certification Course:** :IIT Kharagpur AI4ICPS Certificate Programme on AI-ML Feb-May 2025

## PROJECTS

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- **GRiD - Online Timetable Generator System** [Live / GitHub](#)  
Tech Stack: Next.js, Tailwind CSS, MongoDB, Flask, Python Sept-Nov 2024
  - **Problem:** Universities struggle with 65% experiencing scheduling conflicts affecting 200+ students per semester.
  - **Solution:** Developed an automated system that optimizes resource allocation, reducing scheduling time by 85%.
  - **Impact:**
    1. Reduced manual scheduling work by 85% and eliminated scheduling conflicts through Genetic Algorithm.
    2. Utilized MongoDB as primary database to handle timetable data, increasing data processing efficiency by 40%.
    3. Built a responsive UI that decreased user navigation time by 30% and improved user satisfaction ratings by 45%.
- **Cosmoscape - A Space Encyclopedia** [Live / GitHub](#)  
Tech Stack: React.js, Tailwind CSS, React three fiber, APIs June-Sept 2024
  - **Problem:** Traditional space educational resources lack interactive elements, averaging 70% user bounce rates.
  - **Solution:** Created an immersive platform with interactive 3D models, increasing session duration by 50% .
  - **Impact:**
    1. Developed 15+ interactive components using React.js, enabling blogs and objects and smooth navigation.
    2. Increased user engagement by 60% through interactive 3D models of celestial objects.
    3. Utilized Tailwind CSS to achieve a minimalist and modern design, enhancing the UI by 50% with clean and consistent styling.

## TECHNICAL SKILLS

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- **Programming Languages:** C, Python, Java, JavaScript, TypeScript
- **Frameworks and Technologies:** React.js, Next.js, Node.js, Flask, MongoDB, SQL, HTML, CSS, Tailwind CSS, Bootstrap
- **Development Tools and Platforms:** VSCode, Git, Jupyter Notebook, Clerk
- **Operating Systems:** Windows, Linux (Ubuntu)

## CERTIFICATIONS

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- **Academic Excellence**
  - B.Tech Merit – 3rd Position (Techno Main Salt Lake, 2023 & 2024) [🔗](#)
- **Hackathons & Competitions**
  - Medical Track Winner – Status Code 1 Hackathon (IIIT Kalyani, 2023) [🔗](#)
  - Smart India Hackathon (Intra-College Round) (Techno Main Salt Lake, 2023, 2024 ) [🔗](#)
  - 2nd Place – BUGHUNT Competition (Geekonix, TMSL, 2024) [🔗](#)
- **Industry Certifications**
  - AI, ML, and Data Science Bootcamp (Udemy) [🔗](#)
  - GSSOC participation (2024) [🔗](#)
  - Google Cloud Study Jam (GDSC TMSL, 2023) [🔗](#)
  - Learn Java to Master (Udemy) [🔗](#)
  - Programming in Python (Meta) [🔗](#)
- **Public Relations**
  - Skill Academia (Internship) [🔗](#)
  - GFG Campus Ambassador [🔗](#)