

ARCHITA GUHA ROY

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Profile

B.Tech Computer Science student with interest in AI, robotics, and software systems. Skilled in problem-solving and applying technology to real-world challenges, with a focus on continuous learning.

Skills

- **Programming:** Java, C, Python
- **Web/Tools:** HTML, CSS, Git, Command Line , AWS , Gemini
- **Concepts:** Basic DBMS, Data Handling, Problem Solving , Artificial Intelligence , Cybersecurity
- **Other:** Design, Presentations, Spreadsheet Work

Education

B.Tech CSE , KIIT University	2024–2028
Higher Secondary , Dooars Int. Public School	2022–2024
Secondary , St. Mary's School	2009–2022

Projects

Autonomous Disaster Mapping Robot 2026

- Built a robot to map disaster areas using sensors and basic automation.
- Used ultrasonic sensors and camera for obstacle detection and monitoring.
- Enabled remote control and live data transmission.
- Gained hands-on experience in embedded systems and hardware integration.

AI Resume Analyzer & ATS Matcher 2026

- Developed a system to analyze resumes and provide scoring and job suggestions.
- Stored resume data, skills, and results using SQLite database.
- Built a simple interface for uploading resumes and viewing results.
- Improved understanding of backend logic and data storage concepts.

Experience & Activities

- Participated in **IIT Kharagpur Techfest** (RoboWar, Line Follower, 24hr Coding).
- Completed Data Science course (Udemy, 2024).
- Attended Robotics Workshop (2026).
- Participated in India AI Impact Buildathon 2026.
- Worked in team environments to solve real-time technical problems.

Certificate

- Tata Cybersecurity Security Analyst Job Simulation on Forage.
- Mastercard Cybersecurity virtual experience program on Forage.
- Google Ads Video Certification.
- Data Science and Machine Learning by HCL GUVI.
- AWS certified Cloud Practitioner Essentials by AWS.
- Basics of Artificial Intelligence by Cambridge International Qualifications, UK.
- Basics of python by Cambridge International Qualifications, UK.
- Cybersecurity certificate by WsCube Tech .

Languages

English, Hindi, Bengali