

ABIR GHOSH

DATA ANALYST

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Data Analyst and 2X Startup Founder with expertise in transforming complex datasets into clear, actionable insights that drive strategic decisions. Skilled in data cleaning, statistical analysis, and building interactive dashboards. I identify trends, optimize processes, and solve data-driven problems with precision. As the founder of Talisha Aerospace and AIRC Airlines, I combine analytical thinking with entrepreneurial vision to deliver measurable business impact and build scalable, technology-driven solutions.

AREA OF EXPERTISE

(FEB 2024 –DEC 2025)

Data Analysis	Entrepreneurship	Research and Development with IOT
Team Leadership	Space AI & ML	Responsive Design of Data Dashboard

DATA ANALYST FULL TIME - AICT PVT. LTD –DURGAPUR, WEST BENGAL - 7 MONTH-PRESENT

- Worked with my team in the analysis domain, focusing on data interpretation and insights.
- Developed interactive Power BI dashboards to visualize profit and sales performance.
- Identified key improvement areas and prepared detailed analytical reports for decision-making.

2X STARTUP FOUNDER

- **TALISHA SPACE:** Founder of Talisha Space leads a youth-driven, expert team creating India’s most affordable reusable rocket technology, combining innovation, engineering excellence, and a vision to make space access cheaper and more sustainable for future generations. [source-talishaspace.com](#)
- **AIRC Airlines:** The startup manufactures autonomous drones and plans a long-range B2C drone-delivery service. It is developing advanced navigation systems and automated drone-charging stations to enable efficient, reliable, and scalable delivery operations for future smart-logistics ecosystems.

WORK EXPERIENCE

(NOVEMBER 2024 –PRESENT)

DATA ANALYST AND IOT INTERNSHIP-AICT PVT. LTD –DURGAPUR, WEST BENGAL - 8 MONTH

- Get quality data for enhancing the productivity of the organization. make sure that the data collected from multiple sources is relevant to the business.
- The IoT & Data Analyst Internship involves assisting students with projects, conducting research for college requirements, guiding students in project development, and providing training in database management.

MILLIONSCARE (PROPERTY BUY AND SALE)

- Developed and implemented dynamic Power BI dashboards to visualize real estate market trends, enhancing decision making processes for property investments.
- Conducted in-depth data analysis to identify key performance indicators (KPIs) and trends, providing actionable insights that increased client capital gains and monthly income.
- Collaborated with a cross-functional team to integrate data from various sources, ensuring accurate and up-to-date information for real estate investment recommendations.
- Utilized advanced Power BI features to create interactive reports, improving client engagement and satisfaction through personalized property investment strategies. Skilled in creating interactive dashboards that deliver valuable insights for driving business success.
- TRUSTED PARTNER:- EMAMI, GODREJ AND JALAN GROUP ETC.

NEXTZEN LIMITED

- Designed and implemented interactive Power BI dashboards to monitor and visualize the performance of over 500 banking kiosks across rural India, enhancing data-driven decision-making.
- Integrated various data sources into Power BI to provide comprehensive insights into customer service points (CSPs) operations, including cash management and client enrolment metrics.
- Conducted regular analysis of operational data to track key performance indicators (KPIs), identify trends, and generate actionable reports for senior management to improve service delivery and financial inclusion efforts.
- Provided training and support to kiosk personnel on using data analytics tools, improving their ability to manage data efficiently and contribute to the overall performance of Nextzen Fi-Tech’s financial services network.

- **MOSS CLEANING MACHINE** : the world's first fully automatic fish-farming system that cleans moss, monitors water quality, tracks fish growth, and generates smart analytical reports, ensuring healthier fish and higher farm productivity.
- **Women safety Device** : The Women Safety Device offers real-time protection with live tracking, instant alerts, and eight advanced safety features. Designed for rapid response and maximum security, this innovative device earned recognition in both the India Book of Records and Asia Book of Records.
- **Chandrayaan-2 Modified moon rover** : I have modified a moon rover and make a working prototype. ISRO, DRDO , and science minister recognize me in IISF 2019 Kolkata.
- **ISRO Rover Challenge** : I designed, planned, and built a large-scale Moon rover while leading the entire engineering team. From concept to prototype, I handled all major technical decisions, ensuring innovation, precision, and mission-ready rover performance.
- **AI Base Door Open**. The AI-Based Door Open System uses IoT, smart sensors, and facial recognition to automate secure entry, enabling seamless access, real-time monitoring, and enhanced safety for homes, offices, and industrial environments.
- **Automatic Irrigation System vehicle by Lidar Technology** : The Automatic Irrigation System Vehicle using LiDAR Technology is developed at AICT with my mentor and team. We integrate advanced sensors, AI, and LiDAR for smart field mapping and precise irrigation. The project's LiDAR technology is supported by CMRI Durgapur.
- **Sleep Apnea With IOT** : monitors a patient's heart rate and breathing patterns in real time. Using sensor data and health analysis algorithms, it detects abnormalities and triggers instant alerts to prevent risks and support continuous patient safety.
- **Moon Landing by Image Processing & Lidar** : The Moon Landing System using Image Processing & LiDAR detects surface levels and hazards through an onboard camera and OpenCV. I developed this project with my mentor at AICT, ensuring precise terrain analysis for safe lunar landing.
- **Reusable Rocket Landing Autonomous Ground System** : The Reusable Rocket Landing Autonomous System uses advanced automation and LoRa-based communication to guide rockets safely back to Earth. I lead this department, overseeing system design, communication architecture, and autonomous landing operations for next-generation reusable space technology.

TECHNICAL PROJECTS

Feb 2023 - Dec 2025

- **ANALYSIS OF ECOMMERCE SALES DATA WITH DASHBOARD:** THE E-COMMERCE SALES DATA ANALYSIS PROJECT FOCUSED ON UNCOVERING KEY SALES TRENDS, CUSTOMER PATTERNS, AND PRODUCT PERFORMANCE. AT AICT, I COLLABORATED WITH MY TEAM TO CLEAN DATASETS, PERFORM DEEP ANALYTICS, AND BUILD A DYNAMIC DASHBOARD THAT ENHANCED DECISION-MAKING AND BUSINESS GROWTH.
- **HR ANALYTICS DASHBOARD:** AS THE DATA ANALYST AT AICT, I DEVELOPED THE HR ANALYTICS DASHBOARD TO TRACK EMPLOYEE PERFORMANCE, ATTENDANCE, RETENTION, AND WORKFORCE TRENDS. THE DASHBOARD DELIVERS CLEAR INSIGHTS, ENABLING HR TEAMS TO MAKE DATA-DRIVEN DECISIONS AND IMPROVE ORGANIZATIONAL EFFICIENCY.
- **PRODUCT RECOMMENDATION SYSTEM:** I WORKED ON A PRODUCT RECOMMENDATION SYSTEM BY ANALYZING CUSTOMER BEHAVIOR, IDENTIFYING BUYING PATTERNS, AND DEVELOPING DATA-DRIVEN MODELS TO IMPROVE PRODUCT SUGGESTIONS, BOOST SALES, AND ENHANCE USER EXPERIENCE.
- **AIR QUALITY FORECASTING WITH DRONE.** I WORKED ON AN AIR QUALITY FORECASTING SYSTEM USING DRONES, COLLECTING REAL-TIME POLLUTION DATA, ANALYZING ENVIRONMENTAL PATTERNS, AND BUILDING PREDICTIVE MODELS TO ACCURATELY FORECAST AIR QUALITY AND SUPPORT SMARTER ENVIRONMENTAL DECISIONS.
- **AI DOCTOR (COLLEGE PROJECT).** I DEVELOPED AN AI DOCTOR APPLICATION THAT INTERPRETS PATIENT INPUTS, SCANS MEDICAL DOCUMENTS, AND DELIVERS INTELLIGENT HEALTH RECOMMENDATIONS USING MACHINE LEARNING, ENHANCING ACCESSIBILITY, EARLY DETECTION, AND AUTOMATED MEDICAL ASSISTANCE.
- **SATELLITE DATA PROCESSING BY LORA (STARTUP PROJECT)** . SATELLITE DATA PROCESSING SYSTEM USING LORA, WHERE A RASPBERRY PI PERFORMS REAL-TIME DATA ANALYSIS, COMPRESSES TELEMETRY INTO LOW-BYTE PACKETS, AND TRANSMITS IT RELIABLY OVER LONG-RANGE, LOW-POWER COMMUNICATION NETWORKS.

TECHNICAL SKILLS

- **PROGRAMMING & DEVELOPMENT:** PYTHON(PANDAS, NUMPY, MATPLOTLIB), HTML/CSS, JAVASCRIPT, EXCEL
- **INTERNET OF THINGS (IOT):** SENSOR INTEGRATION, MICROCONTROLLERS, REAL-TIME DATA TRANSMISSION, IOT-BASED AUTOMATION
- **DATABASE MANAGEMENT SYSTEMS (DBMS):** MYSQL, SQL SERVER, DATABASE DESIGN, QUERY OPTIMIZATION
- **ROBOTICS & AUTOMATION:** MICROCONTROLLER , AUTONOMOUS SYSTEMS ,SENSOR INTEGRATION
- **TRAINING & MENTORSHIP:** CURRICULUM DESIGN, TECHNICAL TRAINING, PROJECT-BASED LEARNING, STUDENT COUNSELLING
- **LEADERSHIP & MANAGEMENT:** INSTITUTIONAL DEVELOPMENT, TEAM MANAGEMENT, STRATEGIC PLANNING, CLIENT COORDINATION
- **PROJECT EXPERIENCE:** 200+ ACADEMIC & INDUSTRIAL PROJECTS IN AI, IOT, AND AUTOMATION DOMAINS

EDUCATION

ACADEMIC QUALIFICATIONS

• B.Tech- Bengal College of Engineering and Technology	2021-2025	CGPA	7.75
• ClassXII- Barsul C.P.D High School	2021		

ADDITIONAL INFORMATION

- **Languages:** English, Hindi,Bengali
- **Co-Curricular:** Organizing seminar workshop in Space Technology, Making strong team for ISRO robotics Challenge and I am the team leader, Coordinated and volunteered Food Donation Camps, Coordinator College Women's Day Festival.
- **Awards/Activities:** • India book of record 2022. • Asian book of record 2022. • IIT Bombay grand Innovation Challenge finalist 2023. • Indian international science festival certificated 2019. • ISRO Rover Challenge participant 2024.