TANIYA MAHESHWARI

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ABOUT

Motivated Computer Science (AI) undergrad with a strong foundation in data structures, algorithms, and real-time data pipelines. Quick learner and collaborative team player with hands-on experience in building scalable, data-intensive applications. Passionate about applying engineering skills to solve real-world challenges in low-latency environments.

EDUCATION

B.Tech (CS-AI), Netaji Subhas University of Technology(2026) — CGPA : 8.52

XII CBSE, Abu Dhabi Indian School (2022) — Score: 96.4 %

X CBSE (2020) — Score: 97.2 %

SKILLS

Technical Skills	C/C++ (DSA), Python, SQL, Bash, HTML5, CSS, JavaScript,PHP, Flutter
FrameWorks & Tools	Git, GitLab, Scikit-learn, Pandas, Numpy, TensorFlow, Power-BI, Apache-Spark, Xampp Firebase Bootstrap, React JS, Kafka, Mongoose, Express JS, Mongo DB, AWS

EXPERIENCE

Digi-X Intern — June 2025-July 2025
NatWest Group

- Conducted comprehensive security assessments for AI-related changes, analyzed potential risks, coordinated with development teams, and suggested mitigation strategies, ensuring compliance before go-live.
- Created a RAG model to automate the security questionnaire generation task in assessment procedure.

Data Analyst Intern — Dec 2024-Jan 2025
TechSaksham Initiative by Microsoft, SAP, EduNet

- Developed and evaluated machine learning models (using Python and Scikit-learn) for shopping trend analysis, applying statistical methods and hypothesis testing to identify key consumer patterns.
- Generated actionable insights from complex, unstructured data to drive market strategy decisions.

Web Development Intern — Dec 2022-Feb 2023
1Stop AI

- Collaboratively worked to develop and manage a multi-page site, enhancing the final design's uniqueness and user experience.

PROJECTS

Intraday Stock Price Predictor Built a Kafka-based real-time pipeline that streams candlestick data from financial sources. Trained an ML model on historical data to predict the next 15-minute stock movement. Integrated NLP using scraped Twitter data and financial news headlines to adjust predictions based on market sentiment.

Smart Traffic System Developed and deployed a traffic light optimization system using AI and Raspberry Pi. Used real-time vehicle count and type recognition to dynamically assign red/green light durations, reducing congestion.

Trender - Hackathon Project Created a new feature to allow left-right swipe on clothes according to customer's preferences. Using a machine learning model to build a recommendation engine during the shopping experience to increase the customer conversion rate.

LEADERSHIP

Director: Enactus NSUT, **Execomm member**: IEEE NSUT, **Co-Founder/President**- Social Responsibility Club