

TANYA JHA

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PROFILE SUMMARY

Highly motivated IT student specializing in full-stack web development (MERN Stack) with strong foundational expertise in Cybersecurity and Machine Learning. Eager to leverage technical knowledge to build secure, scalable, and user-friendly digital solutions. Seeking opportunities to apply strong problem-solving and logical thinking skills in a challenging environment.

TECHNICAL SKILLS

Web Development: HTML5, CSS3, JavaScript, React.js, Node.js, Express.js (MERN Stack)

Database & DevOps: MySQL, PostgreSQL, Docker, Docker Compose

Data Science & ML: Python, Scikit-learn, Data Analysis

Mobile Development: Android Studio (Java/Kotlin)

Security: Network Security Basics, Cryptography, Secure Coding Practices

SELECTED PROJECTS

CryptX: Containerized Data Platform

Python, Gunicorn, PostgreSQL, Docker

- Developed a containerized, full-stack data platform for market or security intelligence, leveraging Docker for consistent deployment and PostgreSQL for scalable data storage.

Heart Disease Predictor (ML)

Python, Scikit-learn, Data Analysis

- Engineered a Machine Learning application to analyze patient clinical data (BMI, blood pressure) and predict the probability of heart disease occurrence with high precision.

College Companion Web App

MERN Stack, MySQL

- Full-stack web application designed to streamline student administration, incorporating features for collaborative course scheduling, assignment tracking, and event management.

E-Learning Platform

Web Development Stack

- Designed and implemented an interactive digital platform delivering structured video lectures and quizzes, complete with user progress tracking and robust content management.

Credit Fraud Predictor

Machine Learning, Data Handling

- Built and trained a supervised learning model to identify fraudulent transactions, focusing on data preprocessing and model optimization for financial security applications.

EXPERIENCE & ACHIEVEMENTS

Industrial Training Program | Sumago Infotech Pvt. Ltd.

2023–2024

Full-Stack Web Development

- Collaborated on full-stack web development projects, assisting in the design, testing, and deployment of critical application modules.
- Implemented secure coding practices and performance optimization techniques, enhancing application stability and efficiency.

Machine Learning Training Program | L&T Skill Trainers Academy

2024–2025

ML Model Development

- Gained hands-on experience building and evaluating machine learning models using Python for complex data analysis tasks.
- Developed ML-based mini-projects in a team setting, honing technical collaboration and project execution skills.

State Level Paper Presentation Winner (2nd Prize)

2023

Achievement in Block-Chain Technology

- Presented in-depth research and analysis on Block-Chain Technology at a state-level competition, securing 2nd place among peers.
- Demonstrated strong technical expertise and effective communication during an interactive Q&A session.

EDUCATION

B.E. in Information Technology

2024 – 2027

Vidyalankar Institute Of Technology, Wadala

GPA: 9.4

Diploma in Computer Engineering

2021 – 2024

Government Polytechnic, Thane

Percentage: 88.93%