Tamanna Shaw

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EXPERIENCE

• Tata Group Data Analytics Job Simulation on Forage - June 2025 » Completed a job simulation involving AI-powered data analytics and strategy development for the Financial Services team at Tata iQ.
• Won the Beginners Track and Super Cool Prize Track in International Online Hackathon organized by nosu.io held on 11-15 Jan, 2025.
• Selected in initial round of Flipkart Grid 7.0
• Selected in Initial Screening round of Summer of Bitcoin 2025.
• Selected and Participated in M-Hash Hackathon, 2024 organized by Manipal Institute of Technology, Udupi.
• Selected and Participated in Goa Police Hackathon organized by BITS Pilani, Goa Campus.
• Core Team Member in GOOGLE DEVELOPERS GROUP, NITG.
• Solved over 300+ DSA questions on Leetcode.
• Participated in Inception Hackathon organized by META x SPIE in National Institute of Technology, Goa.
• Selected at College level in Smart India Hackathon, 2024.
• Selected for SGU Hackathon organised by SGU University

CERTIFICATIONS

• **The Complete 2024 Web Development Bootcamp** – Angela Yu
Gained hands-on experience with HTML, CSS, JavaScript, Node.js, React, MongoDB, and backend APIs. Built multiple full-stack web applications.
• **Mastering Data Structures and Algorithms Using C/C++** – Abdul Bari
Deep understanding of time-space complexity, recursion, sorting, trees, graphs, dynamic programming. Focused on implementation and optimization.
• **Machine Learning & AI Bootcamp** – Kirill Eremenko & Hadelin de Ponteves
Covered supervised/unsupervised ML, deep learning, and AI intuition using Python, TensorFlow, and scikit-learn.

PROJECTS

REAL-TIME CHAT APPLICATION | FULL-STACK DEVELOPER
2025 | Personal Project
Built with React, Tailwind, ShadCN, Node.js, and MongoDB. Features JWT auth, real-time Socket.IO messaging, file sharing, emoji support, and Zustand state management.

3D VISUAL INTERACTIVE PROJECTS | CREATIVE CODER
2024
• Built immersive Earth visual, wormhole simulation, and 3D transitions using Three.js.

FAKE NEWS PREDICTOR | ML DEVELOPER
2025 | Personal Project
• Developed a machine learning-based web app to detect fake news using NLP with 97.9 per cent accuracy.

ANSWERPOL | FULL-STACK DEVELOPER
2024 | Hackathon Project
• QnA platform with language support and AI answers.

CUSTOM TERMINAL IN C | SYSTEMS PROGRAMMER
2023 | Academic Project
• Developed a terminal emulator in C with command parsing, history, and basic I/O operations.

EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY, GOA
B. TECH. IN COMPUTER SCIENCE
May 2027 | Conculim, Goa
CGPA: 8.60 (till 4th Semester)
JEE Mains Rank: AIR 21653

GLORY ENGLISH MEDIUM SCHOOL
May, 2023 | Pune, Maharashtra
Class 12th CBSE Board: Secured 90.6 percent

AIR FORCE SCHOOL, PATHANKOT
April, 2021| Punjab, India
Class 10th CBSE Board: Secured 97 percent

SKILLS

PROGRAMMING LANGUAGES
• JAVA programming • Typescript • Python • C programming • C++ programming • HTML5 • CSS3 • PHP • Dart • JavaScript • MERN stack • jQuery

DATA SCIENCE
• ML models: regression, classification, clustering • NLP and deep learning models. • Reinforcement learning and dimensionality reduction

FRAMEWORKS AND TOOLS
• AngularJS • ThreeJS • Tailwind CSS • ShadCN • Vite • Next.JS • Bootstrap • Wordpress • Canva • Git • MUI • Firebase

DATABASES
• MySQL • Postgres • MongoDB

COURSEWORK

1. Data Structures and Algorithms 2. Object Oriented Programming 3. Database Systems 4. Software Engineering 5. Computer Organisation and Architecture 6. Theory of Computation 7. Matrices and Advanced Calculus 8. Probability, Statistics, and Queuing Theory 9. Discrete Mathematics

LINKS

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LeetCode Profile:// @TashaMG/
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