

ISHAN TIWARI

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Education

- Indian Institute of Information Technology, Guwahati (IIITG) Guwahati, Assam
B.Tech – Computer Science and Engineering 2023 – 2027

Projects

- EchoAI – Full-Stack AI Assistant:**
Tech Stack: HTML5, CSS3, JavaScript, REST API, Node.js, Express.js, MongoDB
 - Built a responsive frontend interface with theme toggle and route protection.
 - Integrated REST APIs for chatbot & image generation; improved response time by **35–40%** with async handling.
 - Benchmarked with **50 concurrent users over 30s**; sustained **42 req/s with 0% failures**, avg latency **128ms** (p95 < 180ms).
 - Deployed via GitHub Pages (frontend) & Railway (backend).**Live:** [🔗 EchoAI](#)
Repository: [🔗](#)
- LeetPeek – Live Coding Profile Visualizer:**
Tech Stack: HTML5, CSS3, JavaScript, LeetCode Stats API
 - Developed a responsive, mobile-optimized UI to visualize coding progress and contest ratings.
 - Added search & filtering features for enhanced usability.
 - Integrated external API for real-time coding statistics.**Live:** [🔗 LeetPeek](#)
Repository: [🔗](#)
- TweetMood – Real-Time Sentiment Analyzer:**
Tech Stack: Python, Streamlit, scikit-learn, NLTK
 - Built and deployed a web app for real-time sentiment prediction using a Logistic Regression model trained on **1.6M tweets**, achieving **82% accuracy**.
 - Benchmarked with **50 concurrent users over 30s**; sustained **69 req/s with 0% failures**, avg latency **416ms** (p95 < 470ms).
 - Optimized model inference pipeline for faster response times and deployed via Streamlit Cloud.**Live:** [🔗 TweetMood](#)
Repository: [🔗](#)

Skills

- Frontend Development:** React.js, JavaScript (ES6+), HTML5, CSS3, REST APIs
- Backend & Databases:** Node.js, Express.js, MongoDB, MySQL
- Programming Languages:** Java, Python, C, JavaScript, Prolog
- Core CS Subjects:** Data Structures, Algorithms, DBMS, OS, OOP, Computer Networks
- Testing:** JUnit, PyTest
- Machine Learning/NLP Libraries:** scikit-learn, NLTK
- Version Control & Tools:** Git, GitHub, Jupyter Notebook

Achievements

- LeetCode:** Solved 275+ problems. Max Rating: 1730 (Top 10.95%).
- AlgoUniversity:** ATF 2024: Stage 2 Candidate. [Certificate](#).

Positions of Responsibility

- Technical Team Member – I&E Cell, IIITG Jan 2024 – Present
Guwahati, India
- Technical Team Member – INIZIO 2025 Jan 2025 – Mar 2025
Guwahati, India