

ISHAN TIWARI

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EDUCATION

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

Guwahati, Assam
2023 – 2027

EXPERIENCE

- | | |
|--------------------------------------|---------------------|
| Carrier | Remote |
| • Tech Intern – Full Stack Developer | Dec 2025 – Jan 2026 |
- Owned the end-to-end design and implementation of an internal Reimbursement Management System using Node.js, Express.js, SQL, and frontend UI, digitizing a previously manual reimbursement workflow.
 - Streamlined multi-level reimbursement approvals by reducing workflow steps from **5 to 2** through deterministic state transitions and structured backend logic.
 - Designed and implemented **8+ RESTful APIs** to manage reimbursement creation, approvals, and audit-safe status updates across the full lifecycle.
 - Modeled normalized SQL schemas for reimbursements, users, and approval states, enabling multi-step workflows with traceability and data integrity.
 - Implemented secure authentication and **3-role RBAC** (employee, manager, admin) with backend validation and centralized error handling to protect financial operations.

PROJECTS

EchoAI – Full-Stack AI Assistant | 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 and image generation; improved response time by **35–40%** using async handling.
- Benchmarked with **50 concurrent users**; sustained **42 req/s with 0% failures**, avg latency **128ms (p95 < 180ms)**.
- Deployed via GitHub Pages (frontend) and Railway (backend).
- **Live:** EchoAI | **Repo:** GitHub

DealFlow – VC Deal Intake & Review Platform | Node.js, Express.js, SQLite, React, REST APIs, Gemini API

- Built a VC deal intake system with public submissions and authenticated admin review, status tracking, and internal notes.
- Designed JWT-secured REST APIs with rate limiting, handling **30+ concurrent requests** reliably.
- Integrated **Gemini API** to auto-generate structured pitch summaries, reducing manual review effort by **~40%**.
- Validated performance under sustained load, achieving **p95 latency < 1.6s**.
- **Live:** DealFlow | **Repo:** GitHub

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C++, JavaScript, Prolog

Core Computer Science: DSA, OS, DBMS, OOP, Computer Networks, Cloud Computing

Web & Frontend: HTML5, CSS3, JavaScript (ES6+), React.js, TypeScript, Next.js Tailwind CSS

Backend & APIs: FastAPI, Node.js, Express.js, RESTful APIs

ML / AI / NLP: NumPy, Pandas, scikit-learn, NLTK, Excel, Feature Engineering, Google ADK

Databases: MySQL, MongoDB, DynamoDB

Cloud & Developer Tools: AWS (EC2, S3, DynamoDB), Git, GitHub, Jupyter Notebook

ACHIEVEMENTS

- Solved **300+** LeetCode problems; Max Rating **1730 (Top 10.95%)**.
- AlgoUniversity ATF 2024 – Stage 2 Candidate.
- Completed *The Complete Machine Learning Course with Python* (Udemy).

POSITIONS OF RESPONSIBILITY

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| • Technical Team Member – I&E Cell, IIITG | Jan 2024 – Present |
| Revamped and modernized the I&E Cell website, improving accessibility and overall user experience. | |
| • Technical Team Member – INIZIO 2025 | Jan 2025 – Mar 2025 |
| Built the Sponsors page for INIZIO 2025 and mentored juniors on academic and technical growth. | |