Pranshu Tomer

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EDUCATION

National Institute of Technology, Manipur	**May 2026**
Bachelor of Technology, Major in Computer Science and Engineering	CGPA: 8.02
XII (CBSE), Jawahar Navodaya Vidyalaya - 85.6%	**June 2021**
X (CBSE), Jawahar Navodaya Vidyalaya - 91.2%	**May 2019**

EXPERIENCE

AI Intern - Future Netwings 🔗
- Developed a laptop price prediction model using NumPy, Pandas; performed data analysis with Matplotlib and Scikit-learn to evaluate multiple ML algorithms, selecting the one with highest accuracy.
- Built a **React.js** interface to access the trained model, enabling seamless user interaction and visualization of predictions.

Physics Wallah - Campus Ambassador 🔗
- Organized multiple workshops and webinars, driving student engagement and outreach.
- Collaborated with college clubs to plan and execute campus events, strengthening brand presence.

ACHIEVEMENTS

- **Secured 1st place in ReGen Hackathon (National Level, NIT Manipur):** Build an agricultural analytics platform using **CNN**, **ML**, and **IoT**. (Link)
- Achieved **National Semi-Finalist** position in Flipkart GRiD 7.0 (2025). (Certificate)
- **Smart India Hackathon, Finalist 2023**: Developed a drug formulation forecasting platform. (Link)
- Secured **1st place in Competitive Programming** and **2nd place in Hackathon** at **AHOUBA – Tech Fest of IIIT Manipur**. (Link)

PROJECTS

Java Developer — Bank   **Live Demo**
- Built a **full-stack banking system** with **Spring Boot, Spring Security, Hibernate**.
- Developed secure **JWT-based authentication and authorization** with role-based access control, leveraging **BCrypt** for password hashing and custom filters for token validation.
- Ensured **ACID-compliant transactions** by implementing **pessimistic locking with JPA/Hibernate**, and ensured data consistency using **Spring Transactional** management.
- Automated **monthly processes** like interest credit, fee deduction, and penalty charges using **Spring CRON scheduling**

Full-Stack Developer — Prescripto   **Live Demo**
- Conceived and developed a healthcare appointment management platform with **React.js**, **Node.js**, **Express**, **MongoDB**, and **JWT authentication**, enabling thousands of concurrent users.
- Integrated a modern **payment gateway (Razorpay)**; Managed state with **Redux**, while coordinating file uploads via **Multer** and **Cloudinary**.

CODING PROFILE

- Solved **700+ data structures and algorithms problems** across **LeetCode** and GeeksforGeeks.
- **4-star rating** on **GeeksforGeeks**, achieving a **Contest Rating of 1857**.
- **3-star rating** on **CodeChef**, reaching a peak **rating of 1642**.

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, SQL
Developer Tools: Git, Docker, VS Code, Postman
Libraries: pandas, NumPy, Matplotlib, React, Hibernate (JPA)
Technologies/Frameworks:HTML5, CSS3, Tailwind CSS, MongoDB, Express, NodeJS, Rest APIs, Spring Boot
Relevent Coursework:Object-Oriented Programming, Database Management, Computer Networks, Operating Systems