

Priyanshu Jha | Male | 21



Education			
Qualification	Board/ University	CGPA/ %	Year
B Tech, ECE(IoT)	Netaji Subhas University of Technology, Delhi (Formerly NSIT)	8.52/10	2026
Class XII	CBSE	71.4%	2021
Class X	CBSE	8.78/10	2019
Activities			
Member, Devcomm, NSUT	<ul style="list-style-type: none">• Collaborated with a team of 10 members to drive updates for the NSUTX application• Facilitated the organization of a hackathon during DevComm's flagship event, Avinya		Dec'2022 - Present
Projects			
Portfolio Website (GitHub Repository)	<ul style="list-style-type: none">• Developed an interactive portfolio using React, integrating scroll-triggered animations, horizontal navigation, and parallax effects to create a dynamic user experience.• Engineered a responsive frontend with Framer Motion, AOS, and React Toastify, enhancing engagement with animated storytelling, a functional contact form, and seamless project showcases		
Social Media Web App (GitHub Repository)	<ul style="list-style-type: none">• Architected a dynamic social media platform using the cutting-edge MERN stack.• Leveraged MongoDB, Express.js, React, and Node.js to build a scalable full-stack solution.		
IoT-Enabled Smart Inventory Management System (GitHub Repository)	<ul style="list-style-type: none">• Developed an IoT-based inventory management system using ESP32, load cell, and temperature/humidity sensors to monitor product weight and storage conditions.• Engineered a full-stack web application with React, Node.js, and Express, incorporating secure JWT authentication.• Leveraged MongoDB to efficiently store and manage real-time inventory and sensor data.• Integrated Socket.IO for immediate alerts to notify managers when stock levels dropped below the predefined threshold.		
Workout Web App (GitHub Repository)	<ul style="list-style-type: none">• Engineered a full-stack workout management web application using the MERN stack.• Integrated robust user authentication and secure session management with JSON Web Tokens(JWT).• Designed RESTful APIs for CRUD operations to support workout plans and progress tracking.• Optimized MongoDB queries to deliver personalized recommendations efficiently.		
Courses			
Full-stack Web Development Bootcamp Certificate	<ul style="list-style-type: none">• Developed responsive web applications using HTML5, CSS3, JavaScript, and frameworks.• Engineered scalable back-end solutions leveraging Node.js and Express.		
Summer Analytics 2024, IIT Guwahati Certificate	<ul style="list-style-type: none">• Competed in GeeksforGeeks hackathon at IIT Guwahati, showcasing innovative problem-solving skills.• Executed data pre-processing and applied logistic regression to predict likelihood of individuals receiving flu shots.		
Publications			
NSUT			
Decomposition Methods based Holistic Approach with LSIM Network on Pollution, Springer	<ul style="list-style-type: none">• Applied EMD and EEMD methods to effectively decompose Time Series data, enabling clearer trend and noise analysis• Predicted PM 2.5 levels using LSTM models on decomposed data, delivering accurate insights into air quality trends• Result: The LSTM-EEMD model provided the most accurate PM 2.5 level predictions		Mar'2024 – Jul'2024
Additional Information			
<ul style="list-style-type: none">• Mastered over 400 Leetcode problems, demonstrating strong problem-solving skills across various domains - Leetcode• Tackled 90+ GeeksforGeeks problems, reinforcing algorithmic proficiency and honing technical acumen – GeeksforGeeks• Achieved a 1000+ rating on Codeforces, showcasing competitive programming skills – Codeforces			
Skills			
<ul style="list-style-type: none">• Programming Languages (C++, C, JavaScript, HTML, CSS, Python)• Web Development (React.js, Node.js, Express.js, Rest API)• Databases (MongoDB, MySQL)• Data Structures and Algorithms• Machine Learning and Deep Learning			