

Pratyush Prem Tiwari

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EDUCATION

National Institute of Technology, Silchar

- Bachelor of Technology - Electrical Engineering; CGPA: 7.86

Assam, India

November 2022 - June 2026

J.P.Education Academy

- CBSE; Percentage: 94

Uttar Pradesh, India

March 2020 - April 2022

INTERNSHIP EXPERIENCE

Satyendra Nath Bose Research Intern, NIT Silchar

Short-Term Load Forecasting Using Machine Learning

Remote

Colab

- Built an **LSTM-based forecasting model** using **TensorFlow** and **pandas** on two years of hourly electricity demand data, improving prediction accuracy by **18%**.
- Optimized data preprocessing with **feature engineering** and **scikit-learn**, reducing computation time by **30%** and supporting automated model retraining.

Technical Intern – Newton School

Remote

NSAT (Newton Scholastic Aptitude Test)

- Supported the **candidate-facing test interface** by identifying and fixing minor **UI** and **test-flow issues**, and escalating complex or critical bugs to supervisors or responsible teams.
- Assisted in validating **timed assessment logic**, **question rendering**, and **response persistence** through **API testing** and basic debugging to ensure reliable execution during live test sessions.

PROJECTS

EasyApply – Placement Application Platform

[Project Link](#)

Group Project (Ongoing)

- Designed and developed a **centralized placement management platform** to streamline campus hiring, replacing fragmented tools with a unified system for job postings, applications, and tracking.
- Built an end-to-end **job application and administration workflow** enabling efficient application handling, candidate filtering, and data export through a structured admin dashboard.

Rent-Karo

[Project Link](#)

Group Project

- Developed a **peer-to-peer rental marketplace** tailored for college campuses, enabling seamless buying, selling, and renting experiences within student communities.
- Implemented advanced **search algorithms** and **secure authentication** via Auth0, improving user privacy and reducing platform load times by **30%**.

FoodCoaster - Campus Food Delivery Platform

[Project Link](#)

Group Project

- Developed a dedicated **campus food delivery platform** for NIT Silchar, enabling over **500+ students and staff** to place orders from on-campus eateries and reduce average **wait times by 70%**.
- Resolved the issue of **30+ minute queues** at popular food stalls by implementing a web solution with **real-time order tracking**, improving service speed and user satisfaction.

SKILLS

Programming Languages: Python, C++, C, JavaScript, HTML, CSS, MATLAB

Frameworks & Libraries: Node.js, Next.js, Express.js, Scikit-learn, Pandas, TensorFlow, Tailwind CSS

Databases & Tools: MySQL, MongoDB, GitHub, Docker, RESTful APIs

CS Fundamentals: Data Structures & Algorithms, OOP, DBMS, Operating Systems

Platforms: Windows, Linux, MacOS

POSITION OF RESPONSIBILITY

Training and Placement Cell, NIT Silchar

Onsite

Training and Placement Coordinator

May 2025 – Present

- Coordinated end-to-end placement activities for approximately **1,500 students annually**, including interview scheduling, recruitment events, and maintaining accurate placement records.
- Built and managed **employer relationships** while promoting student capabilities to support successful campus hiring outcomes.

ACHIEVEMENTS

- Solved **600+ DSA** questions on various platforms like [LeetCode](#), [GeeksforGeeks](#), [Codeforces](#), and [Code360](#).