**Dipan Mandal**
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## EDUCATION

•**Motilal Nehru National Institute of Technology Allahabad, Prayagraj** — *2024 – 2028*
*B.Tech, Mechanical Engineering* — CGPA: 7.5

•**Rajpur Vidyanidhi High School** — *2021 – 2023*
*Board of Higher Secondary Education, WB* — Percentage: 90%

•**Taranagar Jogendra Nath High School** — *2015 – 2021*
*Board of Secondary Education, WB* — Percentage: 92%

## PERSONAL PROJECTS

•**CodeForum**   *AI-Powered Code Doubt Forum for College Students*   🔗 Live

- Developed an **AI-assisted Q&A platform** for college students to ask and resolve coding doubts.
- Tech Stack: **Django, Django ORM, Python, PostgreSQL (production)**; Frontend: **HTML, CSS, Bootstrap, JavaScript**.
- Integrated **OpenRouter AI** for intelligent code explanations.
- Implemented **role-based authentication** (Student/Faculty) with faculty login restricted to @mnnit.ac.in.
- Built a comprehensive **Django Admin Panel** for moderation and content management.

•**CollabSphere**   *Full-Stack Community Platform*

- Created a **college community platform** connecting students, professors, and alumni.
- Stack: **Django (Backend)**, **SQLite (Database)**, **Bootstrap, HTML, CSS, JavaScript (Frontend)**.
- Deployed on **Render** for real-world accessibility.
- Key Features: Alumni directory, Q&A forum, mentorship assignment, AI-powered resume review.

•**DOC-HELP**   *DevJam Project*

- Built a **centralized appointment management system** enabling doctors, patients, and admins to interact seamlessly.
- Tech Stack: **ReactJS (Frontend)**, **Tailwind CSS (UI)**, **Node.js + Express.js (Backend)**, **MongoDB (Database)**.
- Implemented an **AI-powered chatbot** to assist patients with appointment booking and FAQs.
- Designed **role-based dashboards** (Doctor, Patient, Admin) for efficient healthcare management.

## TECHNICAL SKILLS AND INTERESTS

•**Programming Languages** C++, Python, Java, JavaScript

•**Web Technologies** HTML5, CSS3, Bootstrap, ReactJS

•**Frameworks** Django, Node.js, Express.js

•**Databases** PostgreSQL, MySQL, MongoDB, SQLite

•**Tools & Deployment** Git, GitHub, Render, OpenRouter AI API

•**Areas of Interest** Artificial Intelligence, Machine Learning, Full-Stack Web Development, Community Platforms, Smart Automation

## POSITIONS OF RESPONSIBILITY

•**Design Team Member** CC Club — *Jan 2025 – Present*

•**Social Media :: Design Team Member** Green Club — *Nov 2024 – Present*

## ACHIEVEMENTS

•**Achievements** Solved 150+ DSA problems at Leetcode — *Sep,2024*