

Dhrubajyoti Neogi

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 [CF \(main\)](#)  [CF \(practice\)](#)  [Atcoder](#)  [CodeChef](#)  [LeetCode](#)

EDUCATION

B.Tech, Computer Science and Engineering, National Institute of Technology, Durgapur **2021 - 2025**
CGPA: **8.90 / 10.00**

EXPERIENCE

Software Engineering Intern @ Texas Instruments - Onsite **Jan 2025 - April 2025**
Docker, Kubernetes, Git, PySpark, Apache Airflow **3-months**

Migrated Apache Airflow pipelines from the scsdev Kubernetes cluster to the scsnopr environment, enabling production-level validation and stability testing. Ensured a seamless transition by managing dependencies, configurations, and DAG behaviors. Actively contributed to CI/CD integration and monitored pipeline behavior post-migration for consistency and performance.

Software Engineering Intern @ BNY Mellon - Onsite **May 2024 - July 2024**
HTML, CSS, TypeScript, GitLab, CI/CD, Scrum, and JIRA **3-months**

Developed and maintained Angular 6 plugins initially integrated with Nexen, later decoupling them into standalone web applications. Ensured smooth deployment using CI/CD pipelines, managed reverse proxy setups, handled CORS and app configurations, and contributed to production readiness using GitLab, JIRA, and the Scrum framework.

PROJECTS

Expense Tracker Web Application  [GitHub](#)
HTML, CSS, Javascript, Java, Spring, Spring Boot, SQL

Built a full-stack application using Spring Boot and MySQL to enable user authentication and real-time expense management through RESTful APIs. Designed a responsive frontend with HTML, CSS, and JavaScript, and implemented a layered MVC architecture for scalable and maintainable backend development.

Block ADs  [GitHub](#)
Python, Socket Programming, Multi-threading, UDP Protocol and Header format

Engineered a **scalable** DNS based Ad blocker, that prevents unwanted advertisements from appearing on screen of any device, connected to a specific router, within a local network with Server virtualization, Network virtualization, Storage virtualization

MCQ-Based Online Exam Platform  [GitHub](#)
C++, Multithreading, Mutex, Socket Programming (TCP/UDP), Makefile

Built a multithreaded MCQ exam platform in C++ using TCP/UDP socket programming for real-time student-instructor interaction. Used mutexes for thread safety, added instructor tools for question uploads and grading, and enabled timed exams. Automated builds with Makefile.

SKILLS

- Languages: **C/C++**, **Python**, JavaScript, Java, HTML, CSS, SQL, Bash
- Frameworks/Libraries: Angular 6, PySpark, Docker, **Kubernetes**, Apache Airflow
- Tools/Technologies: Git / GitHub, GitLab, Jenkins (CI / CD), Linux / Unix, Distributed systems, GenAI

ACHIEVEMENTS

- Codeforces: **Expert** | Max Rating: **1703** | Best Rank: **1165**
- CodeChef: **4*** | Max Rating: **1999** | Global Rank: **38**
- Solved: **1200+** problems on Codeforces, **300+** on CodeChef, **500+** on LeetCode
- AIR 11032 in JEE Mains 2021 | Rank 633 in WBJEE 2021
- **1st** in School in **Mathematics Olympiad** (2016)
- **Top 10** in ICSE and ISC

POSITION OF RESPONSIBILITY

Class Representative @ CSE 2025 Batch

Jan 2022 - April 2025

Coordinated **20+** class events and represented the class in **3** departmental meetings.