

# PRASHANT DHAKA

## Software Engineer

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## EDUCATION

B.Tech in Software Engineering (CSE)

**Delhi Technological University**

2021 – 2025

New Delhi, India

- CGPA: 8.02

## EXPERIENCE

Software Development Engineer Intern

**Deutsche Bank**

May 2024 – July 2024

Pune, India

### Project 1: DMP-Control-Framework

- Developed an efficient control validation framework ensuring data integrity and accuracy.
- Automated execution on file arrival with real-time dashboard access.
- Implemented cryptographic methods (MD5, SHA-256) for SLA checks and database logging.
- Wrote Python scripts for control validation and data retrieval from HDFS and Hive.
- Managed builds and testing across DEV and UAT environments.

### Project 2: Dimension Tracking

- Developed Python scripts and an anomaly detection model to monitor data integrity.
- Implemented detection for categorical column changes, volumetric shifts, and anomalies.
- Applied statistical and ML techniques for robust anomaly detection.

## PROJECTS

- Inventory Management Dashboard:** Developed a scalable and interactive dashboard with Next.js, Tailwind CSS, Node.js, Prisma ORM, and AWS for efficient inventory tracking and management. [Link](#)
- Collaborative Code Editor:** Developed a Collaborative Code Editor platform for real-time collaborative coding, enabling multiple users to simultaneously edit code with instant synchronization, persistent storage in MongoDB, and pair programming support; implemented using Spring Boot for backend, WebSocket for real-time communication, ReactJS with CodeMirror for frontend, and MongoDB for data storage. [Link](#)
- Multi-Threaded Proxy Server:** Implemented a multi-threaded proxy server with concurrency control, LRU caching, URL filtering, and encrypted request handling. [Link](#)
- Sorting Visualizer:** Created a JavaScript app to visualize and compare sorting algorithms. [Link](#)
- Newlify:** Built an image colorization platform using TensorFlow and OpenCV for automatic colorization. [Link](#)

## ACHIEVEMENTS

- Expert on Codeforces (Max Rating: 1736).
- 5-star at Codechef (Max Rating: 2047).
- Guardian at Leetcode (Top 0.45% globally, Max Rating: 2405).
- Ranked 1302 in Meta Hacker Cup 2023 globally, and win exclusive merchandise.
- Secured Global Rank 398 in TCS CodeVita Season 12, a prestigious international coding competition.
- Awarded for securing 1st place in CodeKaze at Invictus24 tech fest of DTU.
- Achieved 24th rank in CodeChef Starter 152 by CRED

## SKILLS

- Programming Languages:** C/C++, Java(Core), Python, JavaScript
- Frontend:** ReactJS, HTML, CSS, Tailwind-CSS, Next.js
- Backend:** NodeJS, Express, FastAPI, SpringBoot, GraphQL, REST APIs
- Databases:** MongoDB, MySQL, SQLite, Oracle, Redis, DynamoDB
- Tools:** Git, Linux, VS Code, IntelliJ Idea, Jupyter Notebooks, Docker, AWS, GitHub Actions

## CODING PROFILES

- [Codeforces Profile Link](#)
- [LeetCode Profile Link](#)
- [Codechef Profile Link](#)
- [AtCoder Profile Link](#)

## EXTRACURRICULAR ACTIVITIES

- NSS Volunteer
- Content Development Intern (Tech) at Unstop
- Computer Science Expert at Chegg

## COURSEWORK

- DSA, DBMS, Compitative Programming
- Operating System, Computer Networks
- Object Oriented Software Engineering
- Software Engineering and Testing
- Machine Learning and Computer Vision