

# DHRUV KUMAR

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[LeetCode](#) | [Codeforces](#) | [CodeChef](#) | [GitHub](#)



## Education

**Jaypee Institute Of Information Technology Noida**  
*Bachelor of Technology in Electronics And Communication Engineering*

Noida, India

August 2023 - July 2027

## Experience

**SabPaisa** | **June 2024 – Present**  
*AI Software Development Intern* | **Remote**

- Built AI-powered workflow optimization desktop application (WoFlow) using React, Electron, and Gemini AI for productivity enhancement.
- Collaborating with senior engineers to improve product stability and system design through code reviews and technical discussions.
- Contributing to performance optimization and debugging of production systems to improve overall system reliability.

## Projects

**TRIPZY – Full-Stack Travel Planning Platform**  
*ReactJS , ExpressJS , Firebase , Firestore , Material-UI , Three.js* | [Live Link](#)

**March 2025**

- Developed comprehensive travel planner with real-time Firebase sync and secure social/email authentication.
- Integrated Google Generative AI for personalized travel recommendations and smart itinerary suggestions.
- Applied modular architecture with performance optimization through lazy loading and offline support capabilities.

### Huffman-Based File Compressor

*C++, Huffman Coding, Data Structures, CLI Development* | [GitHub Link](#)

**June 2025**

- Built lossless file compression tool using Huffman Coding Algorithm in C++ to reduce file sizes efficiently.
- Implemented greedy algorithm with priority queue and binary tree for optimal compression code generation.
- Created command-line interface with hash maps for fast lookups and seamless compression/decompression workflows.

### WoFlow – AI-Powered Workflow Optimization Desktop App

*ReactJs, ElectronJs, NodeJs, Recharts, Material UI, Gemini API* | [GitHub Link](#)

**July 2025**

- Built AI-powered productivity tracker that monitors user activity to identify workflow bottlenecks and inefficiencies.
- Implemented ML-based recommendations for automation and real-time productivity gains.
- Created an analytics dashboard with exportable reports and delivered secure cross-platform desktop application..

## Achievements

- Secured **Global Ranking 1251** in LeetCode BiWeekly Contest 40,000+ participants.
- Selected as a **GSoC 2024 Contributor (Proposal Accepted)** under AsyncAPI for the VS Code Extension Maintainership project.
- Built an AI-powered desktop app 'WoFlow' and received appreciation from the internship tech lead for innovative UX and cross-platform capabilities.
- Organized and managed diverse cultural events as a Core Committee member, demonstrating event planning and team coordination skills.

## Technical Skills

**Languages:** C, C++, Python, HTML5 , CSS3 , Java, SQL, PHP, Kotlin , JavaScript , TypeScript

**Frameworks:** ReactJS , NodeJS, ExpressJs , ThreeJs, Material UI, Pandas, NumPy , Tailwind CSS

**Tools/Technologies:** Git, GitHub, Firebase, Postman, FireStore