

# Dhruv Gupta

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[mrdhruv.tech](http://mrdhruv.tech) | [linkedin.com/in/mr-dhruv](https://linkedin.com/in/mr-dhruv) | [github.com/MR-DHRUV](https://github.com/MR-DHRUV) | [leetcode.com/gdhruv260](https://leetcode.com/gdhruv260)

## EDUCATION

### USICT, Guru Gobind Singh Indraprastha University

Bachelor of Technology - Computer Science

Dec 2021 – present

GPA (till current sem) : **9/10**

### Mount Abu Public School

XII - Non Medical

2020 – 2021

**92.4%**

## SKILLS

- Languages** : C, C++, C#.net, Go, Java, JavaScript, TypeScript, Python
- Development** : React.js, Redux, React-Query, Next.js, Node.js, Express.js, Go-Fiber, REST API, Websockets, OAuth, JWT, MongoDB, PostgreSQL, SQL, NoSQL, Redis, Docker, CI/CD, Github Actions, Jest, Vitest, Cypress, Microsoft Azure
- Coursework** : Data Structures and Algorithms, Operating Systems, Database Management Systems, OOPs, System Design, Computer Networks, Machine Learning, Deep Learning

## EXPERIENCE

### SDE Intern

Jan 2025 – Present

GoDaddy

- Contributing to migrating a high-traffic Ruby monolith to Go and Node.js microservices, achieving 20x per-instance performance, 15x scalability, and 99.99% uptime, significantly improving system resilience and efficiency.
- Delivered robust, production-ready code with comprehensive unit, integration and e2e tests, ensuring high reliability and low regression.
- Building and shipping revenue-driving features that optimize user conversion funnels, directly impacting business growth and user acquisition.
- Identified and resolved critical UI bugs that were causing friction and significant drop-offs for 40% of users.
- Enabled early outage detection by setting up real-time E2E test monitoring and migrated the test pipeline to GitHub Actions, reducing execution time by 6x and cutting costs.

### Software Engineering Intern

May 2023 – Oct 2023

Rise Higher Education

- Built the company's core product within 6 months, single-handedly developing both the frontend and backend, driving rapid product launch, business visibility and market entry.
- Designed and developed secure, high-performance APIs with ExpressJS and MongoDB for authentication and data handling ensuring availability and reliability.
- Designed an intuitive React interface for smooth navigation, enhancing user experience and reducing bounce rates.

## PROJECTS

### A\* Pathfinding | Next.js, TypeScript

[mrdhruv.tech/pathfinding](http://mrdhruv.tech/pathfinding)

- This project offers an interactive visualization of the A\* pathfinding algorithm, allowing users to customize grid size, obstacles, and heuristic functions to observe how they impact the algorithm's efficiency and adaptability.

### C++ Trading System | C++, Websockets

[mrdhruv.tech/trading\\_system](http://mrdhruv.tech/trading_system)

- Its a high-frequency trading system integrated with Deribit API, enabling ultra-low latency operations for order placement, management, and real-time market data retrieval across futures, perpetuals, and options.
- It has a scalable WebSocket server built using WebSocket++ to broadcast real-time order book updates to subscribed clients, achieving high-throughput streaming with dynamic symbol subscriptions and sub-100ms response times.

## POSITIONS OF RESPONSIBILITY

### Microsoft Learn Student Ambassador

Oct 2022 – Present

- For the community, I **automated the process of creating and emailing event certificates** by fabricating a robust Node.js script. The program extracts data from an Excel file, generates and emails certificates in bulk quickly and accurately, eliminating the need for manual entry. View project at: [mrdhruv.tech/gencert](http://mrdhruv.tech/gencert).

### SFS Lead, SDC USICT

May 2022 – Feb 2023

- Being SFS lead, I improved the student-feedback system's scalability and security and reduced loading time by 30% through optimizations and necessary bug fixes.
- Led and managed the SFS team, driving significant progress in developing and maintaining the student feedback system. Administered a large SQL-based database housing feedback from 5000+ students for 500+ teachers.

## ACHIEVEMENTS

- Landed in the **Top 30** out of 70,000 participants in the **Samsung Solve for Tomorrow** hackathon.
- Consistently solving the **"Problem of the Day" for over 900+ consecutive days on GeeksForGeeks platform**; Knight on LeetCode with a rating of **1921**.
- Amazon ML Summer School 2024 Scholar**.