

# Nitish Jha

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## Education

### StarexUniversity

BTech in Computer Science | SGPA: 8.59

Aug 2023 - Present

Gurugram, Haryana

### M.B.S International School, Greater Noida

Senior Secondary School (STEM) | CGPA: 8.0

Mar 2023

Noida, UP

## Experience

### Software Engineer Intern @Classplus

Nov 2024 - Present

- Developed and migrated APIs, abstracting database queries using ORMs in TypeScript.
- Built scalable server infrastructure in Go (Golang), supporting SQL (MySQL) and NoSQL (MongoDB) databases.
- Improved backend workflows, optimized CI/CD pipelines, and ensured code quality through regular reviews and testing.

**Technologies:** TypeScript, Golang, Python, MySQL, MongoDB, ORMs, Docker, Git/GitHub

### Google Summer of Code 2024 @R Project

May 2024 - Aug 2024

- Contributed to the data.table package, resolving issues and enhancing functionality
- Improved performance optimizations and documentation for better user experience.
- Collaborated with a global open-source community, working with R, C, GitHub, and Docker.

**Technologies:** R, C, Docker, GitHub

- [GSoC'24 work report](#) | [Contributions](#)

## Projects

### Scarpe

Dec 2023 – Present

*Ruby, Open Source Contribution*

- Contributed to Scarpe, an early-stage prototype aimed at resurrecting the Shoes library.
- Successfully merged 10 pull requests, improving functionality and fixing critical bugs.
- Added new features such as tooltip, font-family, and font-weight, enhancing the library's user experience.

### R/data.table

Jan 2024 – Present

*R, C, Open Source Contribution, Data Analysis*

- **Google Summer of Code 2024 (GSoC)**
- Enhanced the data.table package by addressing critical issues, resolving bugs, and implementing new features.
- Successfully merged **20+ pull requests**, contributing to key functionality and improving documentation.

## Skills

- **Programming:** R, Java, JavaScript, Python, C, Ruby, Go
- **Frameworks:** Node.js, React.js, Express.js, Ruby on Rails
- **Tools:** Git, GitHub, GitLab
- **Databases:** MongoDB compass, MySQL, Postgres
- **Software:** Docker, Postman
- **Soft Skills:** Time Management, Problem-solving, Documentation, Engaging Presentation, Leadership, On-site coordination

## Achievements

- **Google Summer of Code 2024 (GSoC):** Successfully completed a project with the data.table package in collaboration with the R Project. Contributed extensively to resolving issues, improving documentation, and implementing new features in the open-source package
- **President of Training and Placement Club:** Led and mentored the club to improve placement preparation strategies and engagement, fostering a collaborative environment among students (*Oct 2023 – Present*)
- **Programming Challenges:** Solved 300+ CodeWars challenges with an average rank of 2000–4000 and mastered 350+ LeetCode problems with notable achievements in competitive programming

## Certificates

Google Summer of Code, Google Summer of Code