

Rishabh Gupta

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Education

IIIT Hyderabad

MTech in Computer Science & Information Security (CGPA: 7.56 / 10)

Aug 2022 - May 2024

Hyderabad, Telangana

- **Relevant Coursework:** Internals of Application Servers, Software System Development, Software Engineering, Advanced Operating System, Data System, Statistical Methods in AI, System & Network Security

MITS Gwalior

BTech in Information Technology (CGPA: 7.95 / 10)

Jul 2017 - May 2021

Gwalior, Madhya Pradesh

Experience

Nxtwave Disruptive Technologies

Software Development Engineer

May 2024 - Present

Hyderabad, Telangana

- Developed and integrated features to engage and retain students, in the NxtMock and LastMinute products.
- Optimized the performance by creating efficient MongoDB aggregation pipelines.
- Skills used:- Typescript, Express.js, React.js, MongoDB

Tata Consultancy Services

Assistant System Engineer

Jun 2021 - Jul 2022

Gurugram, Haryana

- Developed new features and refactored existing code to optimize the performance of TCS's BaNCS securities platform.
- Skills used:- Java, SQL, Unix/Linux, Agile Process

Projects

Distributed IOT Platform | React.js, Flask, Docker, Kafka, Azure



- Developed an application manager for an IoT platform, enabling the deployment of various IoT applications and efficient data relay between clients and servers.

TorrentMesh - P2P File Sharing System | C++, Socket Programming, Multithreading



- Implemented multi-threaded socket programming for a P2P network, facilitating file transfers where peers can upload, download, join, leave groups, and manage sharing.

POSIX Shell | C++, System Calls



- Worked as part of a team where we developed a working POSIX-compatible shell that supported basic shell commands, tab auto-completion, generic piping support, I/O redirection, etc.

SimpleRA - A Relational Database | C++, System Calls



- Developed a mini-RDBMS with features such as SORT, ORDER BY, JOIN, and GROUP BY. Optimized page/buffer usage to minimize disk accesses and implemented an external merge sort.

iNotebook | Node.js, React.js, MongoDB



- Developed a Notebook application with online note saving features, integrated with user authentication and password hash.

Skills

Languages: C/C++, Javascript, Python, Java, HTML/CSS

Frameworks / Libraries: Node.js, Express.js, React.js

Miscellaneous: OOPs, GIT, Linux, SQL, MongoDB, Bash, Docker, Kafka, REST APIs, Agile Software Development

Soft-Skills: Ownership, Collaboration, Motivated, Supporting

Achievements / Extra-Curricular

GATE 2022: Scored 96.71 percentile in GATE Computer Science 2022 among 77257 candidates.

Coding: Ranked 1 among 2500+ college-mates on [GeeksForGeeks](https://www.geeksforgeeks.org/) and 1700+ rating on [LeetCode](https://leetcode.com/).

Technical Coordinator: Worked with the college ACM Student Chapter as a technical team member for several events including talks, programming contests, and workshops.

NSS Coordinator: Worked as a coordinator with the NSS Committee to organize awareness programs.