

Md Faizan Khan

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Summary

Proactive B.Tech. Computer Science student (2027) with a strong foundation in Data Structures, Algorithms, and object-oriented programming in **Java**. Seeking a remote internship to apply algorithmic problem-solving skills, contribute to real-world projects, and write **clean, efficient, and well-documented code** as a part of a collaborative team.

Education

Indian Institute of Information Technology, Guwahati <i>B.Tech. in Computer Science & Engineering</i>	Aug 2023 – May 2027 (Expected)
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Computer Networks, DBMS, Object-Oriented Programming.	

Technical Skills

- **Programming Languages:** Java, JavaScript, C, SQL
- **Core Concepts:** Data Structures (Arrays, Linked Lists, Stacks, Queues, Trees, Graphs), Algorithms (Sorting, Searching, Graph Traversal, Dynamic Programming, Greedy), Algorithm Analysis (Big O), Object-Oriented Design (OOD)
- **Frameworks & Libraries:** React.js, Next.js, Node.js, Express.js, Scapy, jQuery
- **Databases & Cloud:** MySQL, MongoDB, Firebase, AWS (Fundamentals), Docker
- **Developer Tools:** Git, GitHub, Linux, Postman, REST APIs
- **Knowledge Areas:** TCP/IP Networking, System-Level Debugging, Performance Optimization

Projects

ChatApp

Technologies: Node.js, Express.js, MySQL, HTML/CSS, JavaScript

- Built a full-stack chat application featuring real-time messaging and secure user authentication.
- Utilized a Node.js/Express.js backend connected to a MySQL database for **reliable message persistence** and retrieval.

Donate Life - MERN Stack Application

Technologies: React.js, Node.js, Express.js, MongoDB

- Engineered a scalable full-stack platform, designing robust REST APIs with comprehensive error handling.
- Troubleshoot and resolved asynchronous data flow issues, enhancing application reliability and **solving complex data-integrity problems**.

Experience & Activities

Open Source Contributor

GitHub

Collaborated on various JavaScript libraries

- Contributed bug fixes and documentation improvements to open-source projects, improving code quality and maintainability.
- Participated in **code reviews**, provided constructive feedback, and adapted to established coding standards.

Hackathon Prototype Developer

IIIT Guwahati (2024)

Co-developed a campus event management application

- Demonstrated rapid prototyping, **collaborative problem-solving**, and **time management** by building a functional React and Firebase app in 24 hours.