

# Md Faizan Khan

Patna, Bihar

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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

Aug 2023 – May 2027 (Expected)

*B.Tech. in Computer Science & Engineering*

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.