

# SHAIKH ABDULLAH

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## Education

Indian Institute of Information Technology Bhagalpur

Nov 2022 – Jul 2026

Bachelor of Technology in Computer Science and Engineering

CGPA: 8.55 (absolute)

## Technical Skills


**Languages:** C, C++, JavaScript, TypeScript, Python, SQL

**Development:** React, TailwindCSS, Ant Design, Material-UI, Node.js, Express.js, MongoDB, REST APIs

**Tools:** Git, Github, Docker, Postman API, VSCode, Linux

**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

## Experience

BotGauge | 

Mar 2024 – Jun 2024

Frontend Web Developer

Remote

- Enhanced frontend using React, Ant Design, and Material-UI, improving interface consistency and user interaction by **25%** while integrating **15+** API endpoints.
- Optimized code, reducing load times by **30%**, and collaborated with cross-functional teams to refine workflows, improving user experience and retention by **15%**.


## Positions of Responsibility

Open Source Lead | DevC (Development Community of IIIT Bhagalpur) | 

Feb 2024 – Present

- Currently maintaining the **Student & Administration Portal IIITBH** and other ongoing college websites, which have more than **1200 active users**, while improving loading speeds by **30%**.
- Co-organized Opcode**, a month-long open-source fest that included **2 workshops** on open source and resulted in **250+ issues**, **500+ pull requests**, and contributions to **35+ open-source repositories**.
- Led a team of 6** in developing and engineering the backend of the Gymkhana Admin Portal, delivering a fully functional system with optimized database design and APIs, handling over **100 daily API calls**.

## Projects

School Management System | C++, C++ STL, Smart pointer, OOPs | 

CLI Application

- Developed a C++ CLI application for school management, implementing C++17 features to reduce code complexity by **25%**. Followed a singleton and factory pattern design pattern.
- Leveraged smart pointers (std::unique\_ptr, std::shared\_ptr) and RAII techniques for efficient memory management, eliminating memory leaks and reducing resource management overhead by **30%**.
- Integrated JSON serialization for efficient data persistence, improving system performance by **40%**, and designed an extensible architecture using object-oriented principles for easy feature additions.

DirKit | npm, TypeScript, JEST |   

NPM Package

- Designed and developed a CLI tool using TypeScript to generate, visualize, and export directory structures, streamlining workflow for developers with **170+ downloads**.
- Implemented JSON export functionality and directory depth control while engineering an intuitive command-line interface, enhancing developer efficiency by **25%** and reducing manual testing by **20%**.

## Achievements

The 2023 ICPC Asia Amritapuri Doublesite Regional Contest | 

Nov 2023 – Jan 2024

- Earned the **first position** in college at **ICPC Amritapuri Prelims 2023**, ranking **under 650** nationwide.
- Achieved an impressive **135th** position among the top 250 selected teams in the regional round.

Codeforces (Specialist, Highest Rating 1433)

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- Competed in upwards of **60 contests** and resolved **300+ problems**.
- Secured a position of **1882 out of 30,422** participants (**top 6.2%**) in Codeforces Round 964 (Div. 4).

CodeChef (3-star, Highest Rating 1650)

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- Engaged in over **25 contests** and tackled around **500 problems**.

LeetCode (Top 7.52%, Maximum Rating 1812)

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- Devised and implemented solutions for around **200 challenges** of varying complexities.
- Secured a best contest performance by ranking **1223 out of 36,727** participants (**top 3.3%**).