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, C#

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

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

Relevent 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 – Feb 2025*

- 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%**.

Social Node \| *amqplib, Redis, Rabbitmq, Cloundinary, CI/CD, Docker* \| ⓞ   **NodeJS Microservices**

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)   *Perhac*

- 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)   *perhac*

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

LeetCode (Knight ,Top 5.73%, Maximum Rating 1856)   *perhac*

- 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%**).