



# AASTIK DAS

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Bhagalpur, Bihar - 812002, India

## SKILLS

- **Programming Languages:** C++, C
- **Web Technologies:** HTML, CSS, JavaScript, Tailwind CSS, React, REST APIs, Node.js, Express.js, MERN Stack, Frontend Development
- **AI/ML Expertise:** Machine Learning Model Deployment, Model Optimization, Data Preprocessing, AI Research & Model Evaluation
- **Tools & Platforms:** Git, GitHub, VS Code, Microsoft Office, Canva, Figma, Postman
- **Miscellaneous:** Data Structure and Algorithms, OOPS, Design and Analysis of Algorithm

## PROJECTS

- **Bangalore House Price Prediction:** Improved model accuracy to 85%, reduced Mean Squared Error (MSE) by 20%, and optimized  $R^2$  score to 0.82. Integrated Flask API for data retrieval.
- **Spotify Clone:** Listen to Music app clone using HTML, CSS, and JS, improving song load time by 30% with local storage handling & UI/UX optimization.
- **Twitter (X) Clone:** Cloned the trending app Twitter with HTML, Tailwind CSS and JS and state management, page performance increased by 40%, reducing load time by 35%.
- **Landing Page of IIIT Bhagalpur:** Restructured the website of my college and gave it an innovative look using HTML and CSS. Enhanced UI/UX and page performance.
- **Todo List:** Constructed using react hooks, State management, and local storage integration reducing task retrieval time by 50%, Cross-browser Compatibility using HTML, Tailwind-CSS, and ReactJs.

## POSITIONS OF RESPONSIBILITIES

### Literature Coordinator, EBSB

March 2024 to Present

IIIT Bhagalpur

- Spearheaded the coordination of 15 cultural exchange events under the EBSB board, fostering unity and national integration.
- Engaged over 1,000 participants and generated a 20% increase in community involvement.

### Campus Ambassador for GSSoC'24

October 2024 to Present

IIIT Bhagalpur

- Increased open-source participation by 70% through strategic promotion, mentorship, and networking.
- Developed a strong contributor base, fostering collaboration and skill development among peers for impactful project contributions.
- Event planning and mentored 20+ students on version control (Git) and code optimization.

### Mentorship for Adhyaay'28

IIIT Bhagalpur

- Mentored 50+ juniors in Adhyaay'28, providing academic support and fostering a learning environment for skill polish and academic studies.
- Facilitated engaging workshops for students to master algorithmic techniques, resulting efficiency.

## EDUCATION

- **Indian Institute of Information Technology Bhagalpur**

Bachelor of Technology in Computer Science Engineering

CGPA 9.36

2023 - 2027

- **Saint Joseph's School, Bhagalpur**

Indian Certificate of Secondary Education

Percentage: 99.00

2022

## ACHIEVEMENTS AND AWARDS

### Research & Publications:

- Presented a research paper on *Deep Learning for Intelligent Real-Time ATM Monitoring and Alert System to Enhance Security* at the 8TH INTERNATIONAL CONFERENCE ON ELECTRONICS, MATERIALS ENGINEERING & NANO-TECHNOLOGY.

### AlgoZenith 30 Days Challenge

- **Top 5 Performers:** Secured **3rd place** among IIIT Bhagalpur participants, showcasing consistency and efficiency.

### **MongoDB Course Certificate h**

- Completed the MongoDB Developer's Toolkit course by GeeksforGeeks, gaining hands-on knowledge and practical experience in database design and management.

### **CP and DSA**

- Earned a maximum rating of 1631 on CodeChef in 35 contest and 1174 on Codeforces in 22 contest.
- Tackled 500+ coding problems on various platforms in turn demonstrating strong skills in competitive programming feild.
- Solved 600+ problems on GeeksforGeeks and Leetcode in data structures and algorithms, mathematical optimization, and logical reasoning with a focus on time-efficient optimization.

### **SIH Hackathon**

- Led a 6-member team in the SIH Hackathon, ranking in the top 35% out of 45 teams, developing a scalable solution with a 20% efficiency improvement leveraging data-driven strategies for collaborative teamwork, and performance testing.