

# Sakib Ahamed Shahon *Software Engineer*

✉ sakib3201@gmail.com    📞 +8801709828340    📍 Joydebpur, Gazipur-1700, Dhaka

🌐 <https://www.linkedin.com/in/sakib-shahon/>    🏠 <https://github.com/sakib3201>

## Skills

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### Web Development

Laravel, Vue.js, JQuery, Ajax, React.js, Node.js, Express.js, Next.js, Tailwind, Bootstrap

### Programming Languages

PHP, JavaScript, Python, C++

### Database Management

MySQL, MongoDB

### Version control

Bitbucket, Git, Github

### Other Technologies

Docker, Web Scraping (Selenium & BeautifulSoup), Data Visualization (Seaborn, Matplotlib, etc.), Machine Learning (Pandas, Sci-kit, TensorFlow, etc)

## Professional Experience

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### Web Developer, *Incevio* 🌐

2023 – present | Bangladesh

Working as a backend focused full stack web developer. My contributions include:

- Developing a dynamic user inputted translation system that offers specialized localization for each user, adding over 12% increased user satisfaction.
- Improving development speed by over 23% by adding a test suite (including feature, unit and automated browser testing) that automates testing core features.
- Refactored translation and payment feature code into generic classes to reduce related code by 60%. (By lines of code)
- Implemented view caching and chunking to reduce response time for loading view by .2 seconds (16% reduction, measured by lightspeed)

### Software Engineer, *Data Sapience Lab*

Worked as a freelance software engineer to develop projects focused on research & data analysis using Python and web development with React and Tailwind. My contributions include:

- Increased data pipeline efficiency to reduce server cost by 34% by applying multi threading.
- Streamlined teams working tools that led to 9% faster sprint cycles reducing time to deliver work by 11%.

## Education

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### Computer Science and Engineering, BSc,

*Jatiya Kabi Kazi Nazrul Islam University*

2018 – 2023 | Trishal, Mymensingh, Bangladesh

## Projects

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**ICTBJ-2023 (Research conference Website), Official Website for "International Conference on Technology, Business, and Justice" (Research Conference, 2023) at JKKNIU**

The official website of Jatiya Kabi Kazi Nazrul Islam University's research conference on Technology, Business, and Justice. The contributions in the project:

- Led a 2-person team in architecting the code base to accommodate rapid changes in requirements improving sprint speeds by over 25%.
- Optimized site loading speed, resulting in a 43% improvement (measured with 'lighthouse').
- Implemented data analytics features for the admin panel.
- Successfully managed deployment & testing under time crunch.
- Link: <https://ictbj.jkkniu.edu.bd> 🌐

### Amar-shop,

*Responsive E-commerce Website for a Small Business*

It is a website that offers complete solutions for a small to medium-sized shop with features including inventory management, financial report generation & analytics, and customer & sales management. In this project I,

- Developed the backend system and integrated various functionalities such as product display, order tracking, sales analytics, and financial reporting
- Was in charge of architecting the code base, deployment, UI design, and communication with the client.
- Link: <https://github.com/sakib3201/Amar-shop> 🌐

## Awards

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### ICPC divisional Champion, Mymensingh division

2023

Became the divisional champion from Mymensingh as part of team KNU\_Sui\_Generis. Made it to the top 4% teams in ICPC 2023 as 96th position out of overall 2481 participating teams.

### 2nd Runners-up, "NASA Space Apps Challenge - 2020" (Hackathon), NASA & BASIS

Regional Champion, "NASA Space Apps Challenge - 2019" (Hackathon), NASA & BASIS

## Community contributions

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### LightOj online judge tutorials (official repo)

Contributed over 15 officially accepted written tutorials for the algorithmic problem-solving online judge LightOj. Covering topics such as basic data structures, graph algorithms, and search techniques.