



# Md Sohanur Rahman Abir

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## Career Objective:

Junior Full-Stack (MERN) developer delivering production websites, an admin CMS and subdomain-driven regional sites. Contribute to VPS/NGINX deployments. Passionate problem solver with working knowledge of machine learning/deep learning. Excited to build clean UIs, robust APIs, and data-informed features.

## Education:

Degree	Institution	Year	Concentration	Result
BSC	BRAC University	2020-2024	Computer Science	CGPA: 3.31
HSC	MC College	2017-2019	Science	GPA: 4.33
SSC	Blue Bird School & College	2015-2016	Science	GPA: 5.0

## Skills:

**Programming Languages:** Python JavaScript PHP C

**Libraries & Frameworks:** React Tailwind Socket Pandas Mongoose Angular

Scikit-learn(sklearn) Laravel

**Database:** MongoDB MySQL

**Tools:** Postman Redux – Toolkit NGINX Linux

## Project Involvement:

- **Social media website with messenger application:** Designed and developed a full-featured social media website with integrated messenger functionality, leading end-to-end development across frontend, backend and database layers to deliver real-time communication and user interaction features.
- **Online Railway Ticket Booking System:** Developed a full-stack Ticket Booking System with integrated frontend, backend and database functionalities to enable seamless user reservations and management.
- **Traffic Sign Detection and Gesture Interpretation:** Contributed in collecting data and annotating gesture data using pose estimation models, training models to recognize traffic signs and human gestures and developing the detection pipeline for real-time recognition.
- **Book Store Website:** Created a responsive book store website using MERN as well as hosted in vercel.
- **Monkey Pox Detection:** Contributed in training classifiers named Naive Bayes, Random Forest and SVC to identify which classifier performs better to detect the disease based on symptoms.

## Project Live Links:

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1. Social media website with messenger application: <https://meetup-social-media.vercel.app/>
2. Online Railway Ticket Booking System: <https://railway-ticket-booking-frontend.vercel.app/>
3. Book Store Website: <https://book-store-mern-frontend-ochre.vercel.app/>

## Experience:

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### Full-Stack Developer (MERN) — ComplianceBD Ltd

- Shipped **5 production websites**: novatechuk.co, libertyairwheel.com, libertytools.us, liberypump.us, libertyflow.us.
- Built a **product-portfolio platform** with an **Admin Dashboard** (create/update products, banners, catalogues, PDF uploads).
- **Subdomain architecture (Liberty Airwheel)**: designed a **multi-region, subdomain-driven site suite**—**uk.libertyairwheel.com** and **us.libertyairwheel.com**—on a **single codebase**. Implemented **subdomain-aware routing** so **content, product feeds, and banners auto-switch by region**, with cross-subdomain navigation. Set up **DNS + NGINX server blocks** and **(wildcard) SSL** for each subdomain; standardized environment/config per region to keep deployments simple.
- **Deployment & infra**: contributed to **VPS/NGINX** setup (reverse proxy, server blocks, SSL), process management, and rollouts.
- **Tech**: MongoDB, Express, React, Node.js, NGINX, Linux VPS, Git.

## Competitive Programming:

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- ✓ **CODEFORCES**: (Rating- 853)
- ✓ **CODECHEF**: (Rating -1075)
- ✓ **LEETCODE**: 90+ problem solved

## References:

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### Dr. Md.Khalilur Rhaman

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Relationship: Thesis Supervisor

### Abid Shahriar

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