



# Md. Sourov Mia

## Software Engineer

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## ABOUT ME

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As a dedicated software engineer, I bring over 2 years of hands-on experience, coupled with an unwavering passion for integrity and problem-solving. My expertise has been sharpened through the resolution of more than 350 challenging problems on platforms like Codeforces, HackerRank, and URI, predominantly leveraging Python. Fueled by a relentless enthusiasm for learning, I am committed to exploring cutting-edge technologies and methodologies. From navigating intricate debugging scenarios to crafting innovative solutions, I strive for excellence and continuous growth in every facet of my professional journey.

## EDUCATIONS

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<b>Daffodil International University,</b> CGPA: 3.61 out of 4.00	<b>BSc in CSE 2019-2023</b>
<b>Bajitpur Govt. College, Bajitpur, Kishoreganj</b> GPA: 4.00 out of 5.00	<b>HSC 2018</b>
<b>Mohesh Chandra Govt. Model Shikkha Niketon</b> GPA: 4.83 out of 5.00	<b>SSC 2016</b>

## SKILLS

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**Front End:** JavaScript, Typescript, React, NextJs, VueJS, HTML, CSS, BootStrap, and Tailwind css

**Back End:** NodeJS, TypeScript, TRPC, Python, Django, DRF, Flask, PostgreSQL, and MySQL

**AI:** ML, DL, NLP, Generative AI(LLM, Vector database, Prompt Engineering, Neo4j database, ChromaDB)

**Automation:** Web scraping with Selenium

**Deployment:** Docker, Git, Git hub, Git bucket, and Vercel

**Operating System:** Windows and Ubuntu

**Management:** Jira & Confluence

**Others:** Good at English Speaking and Writing

## EXPERIENCES

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**Brand Cloud Inc. Bangladesh (Japan-based software Company)**

**Software Engineer (Full Stack)**

**08 June 23 to Present**

In my role, I take responsibility for addressing JIRA tickets assigned to me, ensuring their timely resolution, and providing regular progress updates.

**Automation Sector:** A significant part of my work involves developing automated bot services using Python to retrieve essential data. I check outputs on the S3 bucket and the DynamoDB and debug the code to verify solutions.

**AI Sector:** Developed a Retrieval-Augmented Generation (RAG) system leveraging cutting-edge technologies such as Large Language Models (LLMs), vector databases, prompt engineering, ChromaDB, and Neo4j for advanced conversational and Generative AI.

developed a RAG-based system inspired by ChatGPT, focusing on interactive and intelligent conversational capabilities.

**Web Sector:** Currently working on RAG-based web applications of both frontend and backend. For frontend, we use TailwindCSS, ReactJS, NextJS, and Typescript. We use tRPC for the backend with the database PostgreSQL, Prisma Studio, and vector DB(ChromaDB).

## **Confidence Group (Stardust Telecom Ltd.), Banani, Dhaka**

### **DevOps Developer (Intern)**

**02-Nov-22 to 30-April-23 (6 months)**

I was part of a DevOps team developing and maintaining a CRM project. My role involved implementing front-end and back-end features, testing, and troubleshooting. I used JavaScript and VueJS for the front end, Python and Django for the back-end APIs, Docker for containerization, and Git for version control. I collaborated closely with developers, QA engineers, and project managers to ensure timely delivery and high-quality software.

## **PROJECTS**

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- ❖ Enhancing Retail Shelf Monitoring: Object Detection with YOLOV8 for Shelf Talker Sticker Identification of Retail Shop. [Code Link](#)
- ❖ Medicinal Leaf Classification and Detection [Code Link](#)
- ❖ CRUD Application (With Django) [Code Link](#)
- ❖ Weather Application (With Django) [Code Link](#)
- ❖ E-mail Verification (With Django) [Code Link](#)
- ❖ Blog Website (With Django) [Code Link](#)

## **CERTIFICATES**

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- **Soft Skills and Hard Skills**  
Online course from GoEdu
- **Become and Make a Leader**  
Online course from GoEdu
- **Python Introduction to Data Science and Machine Learning A-Z**  
Online course on June 6, 2021
- **Machine Learning and Data Science A-Z; Hands-on Python**  
Online course on June 6, 2021