



# SRABONI MAHBUB

## SOFTWARE DEVELOPER

### PROFILE

A dedicated and results-driven **Software Developer** with a BSc in Computer Science and Engineering from **East West University**, majoring in **Software Engineering**. Currently working at **BRACNet**, with hands-on experience in designing, developing, and deploying software applications and embedded systems. Skilled in problem-solving, optimizing system performance, and delivering reliable solutions tailored to business needs. Possesses a strong foundation in programming, software design principles, and modern development tools. Highly motivated to continuously learn and contribute to innovative projects in the field of software development and embedded technologies.

### CONTACT

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Gandaria, Dhaka-1204

### EDUCATION

**Bachelor of Science in Computer Science and Engineering, (Software Engineering)**

East West University, 2019 – 2023  
CGPA: 3.38 (on the scale of 4)

**Higher Secondary School Certificate, (Science)**

Viqarunnisa Noon School and College,  
2018  
4.5 (on the scale of 5)

**Secondary School Certificate, (Science)**

Viqarunnisa Noon School and College  
2016,  
5 (on the scale of 5)

### SKILLS

- Proficient in Python, Java, and JavaScript Programming
- Experienced with web frameworks Django and Flask
- Skilled in database management using MongoDB and PostgreSQL
- Familiar with version control systems, especially GitHub
- Comfortable working with IDEs like VS Code, PyCharm, and NetBeans
- Adept at data analysis and visualization with Power BI
- Capable of diagramming and workflow design using Microsoft Visio

### WORK EXPERIENCE

**Solution Engineer (Pre-Sales & Partner Management), July 2024 - Present, BRACNet, Dhaka, Bangladesh**

- Develop and design detailed network diagrams to visualize infrastructure layouts and enhance technical understanding for clients and internal teams. These diagrams improved communication across departments and supported accurate project planning.
- Created and maintained interactive **Power BI dashboards** and charts to analyze project outcomes. The visual reports helped management identify success patterns, address gaps, and make more strategic, data-driven decisions.
- Prepared and managed **pre-sales documentation** including technical specification sheets, compliance documents for tenders, and comprehensive Bills of Quantities (BoQs), ensuring accuracy, clarity, and compliance with client and industry standards.
- Maintained and updated **CRM records** related to pre-sales requirements, ensuring accurate tracking of client interactions, opportunities, and project progress, which streamlined workflows and supported effective client engagement.

**Executive (Embedded Solutions), September 2023 - June 2024, BRACNet, Dhaka, Bangladesh**

- Designed and developed multiple Python-based projects to streamline business processes, ensuring scalability, maintainability, and alignment with organizational goals.
- Built a comprehensive sales dashboard that allowed the sales team to track daily, weekly, and monthly performance metrics. The dashboard provided insights into revenue trends, profit and loss statements, and highlighted individual employee performance progress or regress over time, which improved decision-making and accountability.
- Developed and deployed APIs to enable seamless integration between internal systems and third-party platforms. This facilitated real-time data exchange, reduced manual reporting work, and ensured consistency across different departments.

## TRAINING AND ACCOMPLISHMENTS

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- Python Basics – University of Michigan, Coursera (Online), Feb 2024
- Python Data Structures – University of Michigan, Coursera (Online), Dec 2023
- IELTS (Academic): Overall Band Score 7.5 / 9

## PUBLICATIONS

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- Co-author, Agri-food Traceability Using Blockchain Technology to Ensure Value Chain Management and Fair Pricing in Bangladesh, *Heliyon*, Elsevier (2024). [Read Online](#)
- Co-author, Agri-food Traceability Using Blockchain Technology to Ensure Value Chain Management and Fair Pricing in Bangladesh, IEEE 8th World Forum on Internet of Things (WF-IoT), IEEE (2022). [Read Online](#)

## LANGUAGE PROFICIENCY

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- Bengali – Native Speaker
- English - Fluent

- Maintained, optimized, and refactored existing Python applications, improving their efficiency, security, and reliability. Introduced coding best practices, automated error handling, and regular performance checks to minimize downtime and enhance system stability.
- Collaborated with cross-functional teams including sales, finance, and operations to gather requirements, translate business needs into technical solutions, and deliver tools that directly supported business growth and efficiency.

## NOTABLE PROJECTS

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### Sales Dashboard (Python | Django | HTML/CSS | Javascript | Postgress)

- Designed and constructed using Python, HTML, CSS
- Displays the sales numbers in bar graphs and charts
- Visualizing the charts and graphs to show the progress each month for better decision making.
- To Analyze the progress and sales made by each individual employee

### Meeting Room Booking System (Python | Django | HTML/CSS | Javascript | Postgress)

- For scheduling meetings.
- Displaying the meeting in a table to show the meeting rooms that were booked.
- Efficiently scheduling meetings so that there is no clash in time and meeting rooms.

### Blood Bucket (Python | Flask | HTML/CSS | Javascript | MongoDB)

- Features: Create profile for both users and hospital, Search the name of users and hospital, display the hospital name.
- Additional features: Uses a chart to show how much blood a hospital has, Searching hospital and user with specific blood type.

## REFERENCES

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1. Dr. Mohammad Rifat Ahmmad Rashid  
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