

# Samin Yeaser Rahman

[in LinkedIn](#) | [+8801721101195](#) | [✉ samin.y.r.spondon@gmail.com](mailto:samin.y.r.spondon@gmail.com) | [🌐 syrspondon](#)

## Skills

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- Python | Django | Django REST Framework | Java | JavaFX
- JavaScript | Vue.js | Tailwind CSS | Bulma
- MySQL | PostgreSQL | Firebase
- Git | Docker | Backend | Frontend | Problem Solving

## Experience

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### Programmer

### TechTrioZ Solutions

12/2021 - 06/2023

- Led the end-to-end development of enterprise-level projects, including hotel management, parcel tracking, inventory management, and student behavior tracking.
- Managed multiple concurrent projects from initial UI design and database schema creation to backend API development and frontend implementation, ensuring seamless functionality and user experience.
- Proficiently utilized Django, Django Rest Framework (DRF), Vue.js, Tailwind CSS, MySQL, and PostgreSQL technologies to deliver scalable and intuitive software solutions.
- Excelled in understanding and translating client requirements into actionable project plans, incorporating iterative feedback loops, and maintaining strong client relationships throughout the development process.

## Education

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### Bachelor of Science

### BRAC University

Dhaka, Bangladesh 01/2017 - 08/2021

- Major in Computer Science Engineering

## Projects

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- **CRM** (Django, DRF, Vue.js, Tailwind, PostgreSQL): Crafted and implemented a CRM software solution leveraging Django and Django Rest Framework (DRF), integrating a comprehensive database design to facilitate efficient customer relationship management, enabling role-based access for Customer Representatives (CRs) to assign clients, track product interests, and manage interactions seamlessly. Employed robust backend-to-frontend architecture, empowering CRs to streamline client engagement processes and optimize sales pipelines effectively.
- **Action Plan** (Django, DRF, Vue.js, Tailwind, MySQL): Developed a cancer risk prediction project utilizing Python for backend and Vue.js for frontend development. Engineered dynamic visualization of risk percentages through multiple graphs based on user input data, providing valuable insights into potential cancer susceptibility. [Live Demo](#)
- **SeatX** (JavaFX, MySQL & Android, Firebase): Designed and implemented a seat booking system using JavaFX for the frontend and MySQL for backend storage, enabling students to reserve seats on a daily basis, ensuring efficient resource allocation and optimizing seating arrangements.

## Achievements

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- **Publication:** Active & Idle Virtual Machine Migrations - A new Ant Colony Migration approach to consolidate Virtual machines and ensure Green Cloud Computing. DOI: [10.1109/ETCCE51779.2020.9350915](https://doi.org/10.1109/ETCCE51779.2020.9350915)
- **Contest:** Secured 3rd place at the BRACU Intra University Programming Contest in 2017.