

# RITWICK RAJ MAKHAL

Software Engineer

Howrah, India

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## LINKS

*[Portfolio](#), [GitHub](#), [LinkedIn](#), [LeetCode](#)*

## PROFILE

Dynamic Software Engineer with over a year of experience in open source contributions, demonstrating a strong commitment to community-driven development. Proven expertise in integrating applications and data sources, alongside a solid foundation in software testing and debugging. Skilled in HTML & CSS, SQL, and Python, with a keen ability to build efficient solutions that meet user needs. Passionate about leveraging technical knowledge to drive innovation and improve software functionality.

Ready to contribute effectively to a collaborative engineering team while continuously enhancing skills in cutting-edge technologies.

## PROFESSIONAL EXPERIENCE

- ❖ **Open Source Contributor, MindsDB** ..... Oct 2023 — Present  
Remote
- Developed integrations tailored to community and customer needs. Fixed **30+ bugs** in the MindsDB core and tested **40+ integrations** through **manual and automated testing**. Built app integrations (**Strapi, Intercom, Inststatus**), data source integrations (**Denodo**), and AI integrations (**Deepseek model**).

## EDUCATION

- ❖ **Maulana Abul Kalam Azad University of Technology, W.B.** ..... Sep 2021 — Present  
Howrah
- BTech in Computer Science and Engineering (Honours)*
- Marks: 79.23%
- ❖ **West Bengal Council of Higher Secondary Education** ..... May 2019 — Feb 2021  
Howrah
- Higher Secondary Education (Physics, Chemistry, Mathematics, Biology)*
- Marks: 81.2%
- ❖ **West Bengal Board of Secondary Education** ..... Jan 2018 — Feb 2019  
Howrah
- Secondary Education*
- Marks: 74.42%

## SKILLS

HTML & CSS	<i>Expert</i>	DSA (Java)	<i>Skillful</i>
SQL	<i>Experienced</i>	Python	<i>Skillful</i>
React	<i>Beginner</i>	Microsoft Azure	<i>Skillful</i>
Git	<i>Experienced</i>	Flutter	<i>Beginner</i>

## INTERNSHIPS

- ❖ **Software Development Intern, Infosys Springboard** ..... Dec 2024 — Feb 2025  
Remote

Developed an **Inventory Management System** for **RapidXcel Logistics** using **Flask, Python, and SQLAlchemy**, streamlining **order processing, shipment tracking, and reporting**. Implemented **role-based authentication, real-time inventory tracking, and analytics dashboards**, enhancing logistics efficiency.

- ❖ **Future Ready Talent Internship, Microsoft** ..... Jun 2023 — Sep 2023  
Remote

Gained expertise in **Microsoft Azure** services and developed cloud-based solutions using Azure. Created **PortfoliAI**, a chatbot specifically trained for my portfolio website.

## PROJECTS

- ❖ **Smart Blob Explorer for Azure** ..... Apr 2025 — May 2025

Developed Smart Blob Explorer, a **Java-based solution** leveraging **Agentic AI** principles to autonomously explore, analyze, and manage data blobs on **Microsoft Azure**.

- ❖ **RapidXcel Logistics (Inventory Management System)** ..... Dec 2024 — Feb 2025

Developed RapidXcel Logistics, a full-stack Inventory Management System using **React (Frontend)** and **Python-Flask (Backend)**. Implemented **role-based authentication, order processing, real-time tracking, and analytics** to streamline logistics operations.

## CERTIFICATIONS

- ❖ **Microsoft Azure Fundamentals (AZ-900)** ..... Apr 2025

Score: 77.8%

- ❖ **Microsoft Azure AI Fundamentals (AI-900)** ..... May 2024

Score: 87.2%

## LANGUAGES

English ..... *Native speaker*      Bengali ..... *Very good command*  
Hindi ..... *Highly proficient*

## HOBBIES

- *Making hobby projects in Computer Science and Electronics.*
- *Listening Songs.*