

Rakesh Mondal

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Education

Midnapore City College, Vidyasagar University, West Bengal, India

M.Sc. (Computer Science)

Nov 2021 – Oct 2023

CGPA: 9.21

Midnapore College (Autonomous), Vidyasagar University, West Bengal, India

B.Sc. (Computer Science)

Jul 2018 – Aug 2021

CGPA: 7.97

Experience

Associate Software Engineer

Mar 2024 – Present

Tech Mahindra LTD., India

- Developed and maintained **15+ Windows applications** using **VB .NET, C# .NET, and C++** for testing **LTE** and **5G** services.
- Automated **30% of testing processes**, reducing verification time by **20%**.
- Improved network performance testing accuracy with protocols like **TCP/IP, UDP**, and telecom procedures such as **LTE Attach** and **5G Attach**.
- Conducted **unit testing** for **100+ test packs** and utilized **Wireshark** for packet analysis and troubleshooting.
- Collaborated on integrating **10+ new features**, enhancing testing efficiency and real-time performance analysis.

Projects

Online Railway Reservation System [OR2S]

Jan 2023 – Sep 2023

GitHub Link

- Developed front-end with **HTML, CSS, JavaScript**; back-end with **MySQL and PHP**.
- Optimized train search using **DFS, BFS, Prim's, and Kruskal's algorithms** for non-connecting and shortest paths.
- **Integrated voice search, multilingual support, and Google ReCAPTCHA** using different **API's** for seamless and user-friendly ticket booking.
- Deployed locally using **XAMPP** with efficient database management.

Discord Bot [rak3xh]

May 2024 – Jul 2024

GitHub Link

- Developed a Discord bot using **C# and .NET** in **Visual Studio 2022** for enhancing server interactions.
- Implemented features to deliver unique, humorous definitions for dictionary words, fostering playful user interactions.
- Integrated modular commands and a user-friendly interface, ensuring ease of use and customization.
- Designed scalable bot architecture to support potential future enhancements and additional features.

Skills

Languages: C++, C#, Visual Basic, HTML, CSS, JavaScript, PHP, SQL

Frameworks & Technologies: .NET, ReactJS, Git, Linux, SDLC, Microsoft SQL Server, Wireshark

Coursework: Data Structures and Algorithms, OOPS, DBMS, Computer Networks

Coding Platforms

- LeetCode • Coding Ninjas • GeeksforGeeks

Achievements

- Ranked **3040/22688** in LeetCode Weekly Contest 383 (rating: 1591).
- Solved over **800+** problems across platforms like LeetCode and GeeksforGeeks with **365 Days Badge** in LeetCode.
- Achieved rank **928/10,500** in GeeksforGeeks Jobathon 28 for freshers.