



Experience

Associate Software Engineer

[Mar 2024 – Present]

[Tech Mahindra LTD.]

- Developed and maintained Windows applications using **Visual Basic .NET**, **C# .NET**, and **C++** to support the testing of location-based services for LTE and 5G networks for different carriers.
- Created tools to automate testing processes, increasing efficiency and reducing the time required for location-based service verification.
- Implemented protocols and methodologies that improved the accuracy and reliability of testing for network performance.
- Collaborated with cross-functional teams to integrate new features, test cases, and updates to meet evolving network standards.
- Contributed to a more robust testing framework for LTE and 5G by developing software that facilitated real-time network performance analysis.

Education

Midnapore City College, Vidyasagar University, West Bengal, India

[Nov 2021 – Oct 2023]

- M.Sc. (Computer Science) | CGPA: **9.21**

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

[Jul 2018 – Aug 2021]

- B.Sc. (Computer Science) | CGPA: **7.97**

Projects

❖ ONLINE RAILWAY RESERVATION SYSTEM [OR2S] [[GitHub Link](#)]

[Jan 2023 – Sept 2023]

- Developed Front-End of website with **HTML**, **CSS**, and **JavaScript**, and Back-End using **MySQL** and **PHP**.
- Engineered optimized train search functionality leveraging **DFS and BFS algorithms** for identifying non-connecting train paths, as well as **Prim's and Kruskal's algorithms** to ensure shortest distance and minimum train time.
- Implemented **Voice Search**, **Multilingualism**, and security features like **Google ReCAPTCHA** using different **APIs** for seamless user-friendly interface in ticket booking.
- Deployed project locally using **XAMPP**, with efficient database management through **phpMyAdmin**.

❖ Discord Bot [rak3xh] [[GitHub Link](#)]

[May 2024 – July 2024]

- Developed **Discord Bot** using **C#** and **.NET** in **Visual Studio 2022** to add fun and engagement to Discord servers.
- Delivers unconventional, humorous definitions of English dictionary words and to promote unique user interaction through playful language twists.
- Demonstrates skills in Bot development, C# programming, and .NET framework.

Skills

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

Technologies / Frameworks / Libraries: .NET, ReactJS, GIT, Linux, SDLC, Microsoft SQL Server.

Coursework: Data Structures and Algorithm, OOPS, DBMS, Computer Networks.

Coding Profiles

[Leetcode](#) | [Coding Ninjas](#) | [GeeksForGeeks](#)

Academic and Extracurricular Achievements

- Ranked 3040 out of 22688 participants in LeetCode's weekly contest 383, achieving a rating of 1591.
- Solved over 500+ problems across various coding platforms including LeetCode, GeeksforGeeks, and Coding Ninjas.
- Contributed to open-source projects during ".hack(); 23" Hackathon by creating successful pull requests, subsequently merged into the projects.
- Achieved a rank of 928 out of 10,500 participants in GeeksforGeeks Jobathon 28 for freshers.