

Aditya Raj

📍 Delhi, India 📞 +91-6287097426 ✉ adityaraj00218@gmail.com 🔄 Aditya-R7 🌐 Aditya Raj 🏠 LeetCode

👤 PROFILE

Passionate B. Tech graduate from the National Institute of Technology Delhi with strong experience in full-stack and backend development. Proficient in Python, Java, JavaScript, and C/C++, with a deep understanding of system design, application development, and operational stability. Experienced in creating secure, scalable, and high-performance software solutions in both corporate and startup environments.

📁 EXPERIENCE

Software Engineering Intern

02/2024 – 08/2024

Zscaler

Mohali, India

- **Migrated and Optimized Systems:** Transitioned charting features from Nivo to Recharts and migrated pages from Backbone to React, enhancing performance and scalability.
- **Performance Improvements:** Optimized frontend by eliminating redundant network calls, reducing load time by up to 100ms, and developed high-coverage tests using Jest and RTL.
- **Problem Solving:** Debugged and resolved critical issues, improving application stability with React, JavaScript, and Backbone.

🧠 SKILLS

Technical Skills:

- **Programming Languages:** Python, C/C++, Java, JavaScript
- **Frameworks and Tools:** React, NodeJS, Backbone.js, Recharts, Jest, RTL, MATLAB
- **Web Technologies:** HTML, CSS, SQL, MySQL, MongoDB
- **Cloud:** AWS
- **Software Development:** System design, Application development, CI/CD, Agile methodologies
- **Data Structures & Algorithms:** Proficient in problem-solving and optimizing algorithms
- **Database Querying:** MySQL, MongoDB

Soft Skills:

- Problem-solving
- Ability to work independently and as part of a team
- Time Management
- Adaptability
- Attention to detail

📁 PROJECTS

Chrome Extension: "TimeSync"

- Designed and coded frontend interfaces to ensure smooth user experiences while bookmarking and retrieving timestamps by leveraging DOM manipulation techniques.
- Utilized JavaScript, HTML, CSS, and Chrome Extension APIs for development.

Real-time Temperature and Humidity Monitoring System

- Collaborated on React + Vite project with ESP8266, Google Sheets, and SheetDB API.
- Designed hardware and overcame technical challenges integrating the website with real-time sensor data.

Movie Recommendation System

- Developed a movie recommendation system using the MovieLens 1M Dataset, leveraging Python libraries, including pandas, numpy, matplotlib, and seaborn.
- Created a user-centric recommendation algorithm that suggests movies based on user preferences and historical ratings.

To-Do List

- Created a dynamic To-Do List using HTML, CSS, Bootstrap, and JavaScript
- Implemented features to add, remove, and search for tasks

🎓 EDUCATION

B. Tech in Electrical and Electronics Engineering

2020 – 2024

National Institute of Technology Delhi

Delhi, India

- CGPA: 7.72

Senior Secondary Examination


2020

CBSE(Jesus & Mary Academy)

Darbhanga, Bihar

- 92.2%

📜 CERTIFICATES

MTA: Introduction to Programming Using HTML and CSS 

- Certified 2021

MTA: Introduction to Programming Using Python 

- Certified 2021

🏆 POSITION OF RESPONSIBILITIES

- Hospitality Head of Techno-Cultural Fest "Sentience"
- Executive Member of Technical Club NIT Delhi