Aditya Raj

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Technical Skills

Languages: Java, JavaScript, Python
Web Technologies: HTML, CSS, Bootstrap, Tailwind CSS, React.js, Node.js
UI/UX Design: Figma, Wireframing, Responsive Design, SEO
Database: MySQL, MongoDB
Tools & Platforms: Git, GitHub, VS Code, IntelliJ, Hostinger
Coursework: DSA, OOP, DBMS, Web Security, Cloud Computing, CN, OS, RPA

Education

Bachelors in Engineering (CSE) **CGPA: 7.64**
Chandigarh University, Punjab *Sep. 2020 – June 2024*

Intermediate (CBSE)
B.L. Indo Public School, Bihar *2017 – 2019*

Matriculation (CBSE)
Model School Dalmianagar, Bihar *2015 – 2016*

Projects

SMART TRAFFIC CONTROL SYSTEM | *C++, Arduino* Feb 2024

- Developed a **smart traffic control system** to prioritize emergency vehicles and reduce hospital arrival time.
- Utilized **Arduino Uno**, **RFID**, **IR sensors**, and implemented **Dijkstra's algorithm** for shortest-path routing.
- Improved traffic flow efficiency and was recognized as a **Top 50 project** in a university-wide competition.

WHATSAPP CHATLIST | *Java* Feb 2023

- Created a feature that simulates **WhatsApp chat behavior** by prioritizing recent conversations.
- Implemented using Java with an **LRU cache** via **HashMap** and **Doubly Linked List** for **O(1)** operations.
- Achieved faster response time and **optimized memory management** for dynamic chat reordering.

CUSTOMIZABLE GYM WEBSITE | *Web Development* Jun 2022

- Built a **responsive web application** for users to personalize fitness plans and track progress.
- Used **HTML, CSS, Bootstrap** for frontend and **PHP** with **MySQL** for backend and authentication.
- Delivered a **user-friendly platform** integrating supplement recommendations and admin panel features.

Training

Web Development, Internship | Certificate May 2022 – July 2022
Internshala *Remote*

- Completed a **8-week training** covering **HTML, CSS, Bootstrap, DBMS, PHP, JavaScript, React,** and **a final project module**.
- Designed and developed a **food ordering website** and a **hospital appointment booking system** using full-stack technologies.
- Scored **100% in the final assessment** and recognized as a **top performer** among trainees. **Improved user navigation, responsiveness,** and learned **full-cycle web project delivery**. Awarded for top performance in assessments and module evaluations.

Achievements & Responsibility

- Awarded **Elite Certification** in Software Testing by NPTEL.
- Project on **Smart Traffic System** recognized in **Top 50** at university-wide competition.
- Served as **Class Representative (2020–2024)**, acting as liaison between students and faculty.
- **President, Abhivyakti Club**: Led multiple cultural events to boost student engagement.