Aditya Kumar

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INTERNSHIP

- **Summer Training on Data Structure And Algorithm**   June 2024 - July 2024
  Spruce by Hitbullseye.com at Lovely Professional University
  Developed a comprehensive N-Queen visualizer project, implementing backtracking algorithms to visualize solution.
  Strengthened critical thinking skills, focusing on algorithms, data structures, and advanced coding techniques

- **Outlier**   September 2024 – December 2024
  AI Trainer in Mathematics and Coding
  Write Prompts which Stumped the Model

SKILLS

- **Languages**:   C++, JavaScript, Java
- **Frameworks**:   HTML and CSS, Bootstrap, Tailwind CSS, Node JS, React JS, Express JS
- **Tools/Platforms**:   MySQL, MongoDB, Git, GitHub
- **Soft skills**:   Problem Solving, Attention to detail, Collaboration and Teamwork, Adaptability and Flexibility

PROJECTS

- **Hotel Site**:
  GitHub   November 2024
  Developed a dynamic hotel booking website using React.js, featuring an intuitive user interface with
  seamless navigation and interactive UI components.
  Integrated real-time booking functionality, enhancing user experience with smooth form handling, routing,
  and state management.
  Implemented responsive design and optimized performance, ensuring cross-device compatibility and fast load times for an
  improved user experience.
  Tech: Css,Html,JavaScript, ReactJs, MongoDB
- **Real-Time Location Tracker**:   February 2025
  GitHub
  Designed a full-stack real-time tracking system using Node.js and Socket.io for seamless live location updates.
  Applied OpenStreetMap integration for interactive and dynamic map rendering with real-time marker movement.
  Optimized user experience with EJS templating and a responsive interface, enabling smooth performance across devices.
  Tech: Node.js, Express.js, EJS, Socket.io, OpenStreetMap
- **Sudoku Visualizer**:
  GitHub   July 2024
  Built an interactive Sudoku Visualizer using Java, enabling users to observe the backtracking algorithm inaction.
  Enforced step-by-step solving animations, enhancing clarity and comprehension of the solving process.
  Enhanced algorithm efficiency to ensure seamless performance across different grid sizes.
  Tech: Java

CERTIFICATES

- Introduction to MongoDB for Students (MongoDB University)   July 2024
- Server-side JavaScript with Node.js (Coursera)   May 2024
- HTML, CSS, and JavaScript for Web Developers (Coursera)   May 2024
- 84 Hours of Data Structure and Algorithm (Spruce)   July 2024

ACHIEVEMENTS

- Earned 1st Position at ISO at School level
- Secured 3rd place in the speech competition
- Solved 300+ coding problems across various platform like Leetcode and Gfg

EDUCATION

- **Lovely Professional University**   **Punjab, India**
  Bachelor of Technology - Computer Science and Engineering; ***CGPA: 8.12***   *Since September 2022*

- **Shanti Niketan Sr. Secondary School**   **Muzaffarpur, Bihar**
  Intermediate; ***Percentage: 78%***   *April 2019 - March 2021*

- **DAV Public School**   **Muzaffarpur, Bihar**
  Matriculation; ***Percentage: 93.4%***   *April 2018 - March 2019*