

Ved Kumar Singh

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SKILLS

- **Languages:** Python, Java, C++
- **Frameworks:** Sprinbot, Angular, React
- **Tools/Platforms:** MySql, MongoDB

TRAINING

- **Cipher School** June 2024 - July 2024
 - Learned Data Structures and Algorithms (DSA) in C++ and implemented key algorithms
 - Completed a project titled "BST", where I explored tree concepts such as insertion, deletion, updating, and other functionalities.
 - Applied data wrangling techniques to handle missing values and optimize dataset performance.
 - GitHub Repository Link:<https://github.com/ved5541>

Tech stack used: C++, DSA

PROJECTS

- **Data Processing and Visualization** Aug 2024 - Nov 2024
 - Developed an R-based data processing and visualization system for analyzing hospital management system data.
 - Cleaned, transformed, and structured large datasets to extract meaningful insights.
 - Utilized ggplot2, dplyr, and tidyverse for data visualization and statistical analysis.
 - Created interactive charts and reports to represent patient records, appointments, and hospital resource usage.
 - Applied data wrangling techniques to handle missing values and optimize dataset performance.
 - Automated data extraction and visualization workflows for improved decision-making.

Tech: R Programming
- **Employee Management System** Jan 2025 - Feb 2025
 - Developed a full-stack Employee Management System to handle employee records, including CRUD operations (Create, Read, Update, Delete).
 - Designed a responsive front-end using HTML, CSS, JavaScript, and Bootstrap for a user-friendly interface.
 - Integrated Spring Boot for backend development, managing database operations and RESTful API services.
 - Implemented role-based authentication and authorization for secure access control.
 - Improved performance and scalability through optimized backend services and responsive UI design.

Tech: JavaScript, SpringBoot, HTML, CSS, MySQL

CERTIFICATES

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| • DSA in C++ | Jun 2024 - July 2024 |
| • Excel Skills for Business Specialization | Aug 2024 - Nov 2024 |
| • Data Science: Foundations using R Specialization | Aug 2024 - Nov 2024 |
| • Generative AI Cybersecurity & Privacy for Leaders Specialization | Aug 2024 - Nov 2024 |

EDUCATION

- **Lovely Professional University** Jalandhar, Punjab
Bachelor of Technology - Computer Science and Engineering; CGPA: 6.0 Since Aug 2022
- **RLSY Senior Seconday School** Patna, Bihar
Intermediate; Percentage: 63% April 2020 - March 2021
- **RPS School** Patna, Bihar
Matriculation; Percentage: 77% April 2018 - March 2019