

HIMANSHU SINGH

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Area of Interest

Data Structure and Algorithms, Problem Solving, Web Development, Android App Development

Skills

C | Java | Python | JavaScript | HTML | CSS | MySQL | Android Studio

Education

Noida Institute of Engineering and Technology <ul style="list-style-type: none">CSE CGPA: 9.61	Present (ongoing)
Delhi Public School, India <ul style="list-style-type: none"><i>Intermediate (Class XII), Percentage: 74.2</i>	2022
Delhi Public School, India <ul style="list-style-type: none"><i>Matriculate (Class X), Percentage: 86.4</i>	2020

Projects

Portfolio Website Website <ul style="list-style-type: none">Designed and developed a personal portfolio website to showcase professional experience, projects, and skills.Implemented smooth navigation, responsive design, and interactive UI components for an engaging user experience.Tech Stack: HTML, CSS, JavaScript, Typed.js	Jun'25
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Xcess An Android Application <ul style="list-style-type: none">Designed and developed a fully functional biometric-based Android app with intuitive UI for secure access to physical and digital environments.Built both front-end (Java/XML) and back-end logic, integrating Android Biometric API for fingerprint and facial recognition authentication.Enabled seamless real-time communication with ESP32 via Wi-Fi to control a servo motor-driven door lock system.Implemented access validation logic with hardware feedback using LED indicators.Tech Stack: Android Studio (Java, XML), Biometric API, ESP32	May'25
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Vehicle Registration System DBMS Project <ul style="list-style-type: none">Developed a comprehensive DBMS for managing vehicle registration records, supporting add, update, and query operations.Created a user-friendly interface using Java Swing, allowing seamless interaction with the database for managing records.Integrated JDBC for real-time connectivity with a relational database ensuring efficient CRUD operations.Implemented SQL queries for data retrieval and integrity, along with the functionality to export records to external files for reporting and backup.Tech Stack: Java, Swing, JDBC, SQL, Data Export(CSV, PDF)	Mar'25
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NutriTrack A Nutrition Tracking Web App <ul style="list-style-type: none">Built a fully functional web application to log food intake and analyze nutritional values, helping users monitor diet deficiencies and excesses.Designed an interactive fron-end with custom CSS styling and intuitive navigation using Streamlit and streamlit-option-menu.Integrated dynamic data visualization with matplotlib and pandas for clear tracking of nutritional metrics.Tech Stack: Python, Streamlit, Pandas, Matplotlib, CSS, HTML	Nov'24
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Academic and Extracurricular Achievements

- Institute Rank 341** in GeeksForGeeks
- Winner in College Tech event 'TechHunt'**
- Awarded **NCC Certificate 'A' (Grade A)**; secured **Gold in shooting** and recognized as **Best Cadet** for excellence.
- Secured **Winner in Chess Tournament**
- Finalist** in College Basketball sports fest

Positions of Responsibility

College Cultural Fest 'Meloraga' | Technical Team Member

- Managed technical setup and event-day support, ensuring smooth execution of on-stage and backstage operations.

College Basketball Team | First-Year Player

- Represented the first-year college basketball team in interdepartmental tournament.