

Nipun Singh

LinkedIn: [linkedin.com/in/nipun-singh](https://www.linkedin.com/in/nipun-singh)

GitHub: github.com/nipunsingh2

Email: nipun4654@gmail.com

Mobile: +91-6396871179

SKILLS SUMMARY

• Languages:	Java, Python, C++, C, SQL, TypeScript
• Frontend:	React.js, Next.js, HTML5, CSS3, Tailwind CSS
• Backend:	Spring Boot, Node.js, Express.js, REST APIs
• Databases:	PostgreSQL, MySQL
• Technologies:	WebRTC, Socket.io, Zustand, Cloud: AWS(Basics)
• Tools:	Git, GitHub, Maven
• Platforms:	Streamlit, Vercel, Google Colab, Jupyter Notebook
• Soft Skills:	Problem-Solving, Team Collaboration, Quick Learner, Adaptability

EXPERIENCE

Java Trainee Techvanto Academy	July 2025
- Completed hands-on training in Core Java, object-oriented programming (OOP), JDBC, and GUI development using Swing. - Developed a fully functional ATM application as a capstone project, simulating real-world banking operations. - Implemented secure PIN-based authentication and integrated a MySQL database for reliable transaction processing. - Applied object-oriented design principles to build a modular, scalable, and maintainable application architecture.	

PROJECTS

DuoBooth GITHUB Live Demo	July 2026
(Next.js 15, React 19, TypeScript, WebRTC, Socket.io, Tailwind CSS, Zustand)	
- Built a real-time remote photo booth enabling two users to capture synchronized photos using WebRTC and Socket.io. - Developed customizable photo strip layouts with live image filters and high-quality exports in PNG, JPEG, WebP, and PDF formats. - Implemented peer-to-peer encrypted video streaming with ephemeral signaling, ensuring privacy without storing user media. - Designed a responsive and interactive user interface using Next.js App Router, Tailwind CSS, Zustand, and Framer Motion.	
Hospital Bed Optimization System GITHUB Live Demo	April 2025
(Python, Linear Regression, Streamlit, SQL)	
- Developed an end-to-end machine learning application to predict patient length of stay using regression models and healthcare datasets. - Built an interactive Streamlit dashboard for monitoring bed occupancy, patient admissions, and predictive analytics. - Integrated SQL-based patient records to support real-time data updates and improve hospital resource planning. - Evaluated model performance using regression metrics and optimized predictions through feature engineering and preprocessing.	

CERTIFICATES

• Cloud Computing - NPTEL Certificate	November 2025
• Master Generative AI & Generative AI Tools – Infosys Springboard Certificate	August 2025
• JAVA Programming – Techvanto Academy Certificate	July 2025

EDUCATION

• Lovely Professional University	Jalandhar, Punjab
Bachelor of Technology - Computer Science and Engineering	Since Aug 2023
CGPA: 7.03	
• Jim Corbett Public School	Agra, Uttar Pradesh
Higher Secondary Education	Apr 2021 – May 2022
Percentage: 75.80%	
• St. Conrads Inter College	Agra, Uttar Pradesh
Secondary Education	Apr 2019 – May 2020
Percentage: 86.25%	