

Neha Singh

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🐙 [GitHub](#)

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SKILLS

- **Full-Stack Development:** MERN Stack (MongoDB, Express.js, React, Node.js)
- **Frontend Technologies:** HTML, CSS (Cascading Style Sheets), JavaScript, Bootstrap, Tailwind
- **Backend Technologies:** Node.js, Express.js, MongoDB, MySQL (My Structured Query Language)
- **Programming Languages:** C, C++, Python, JavaScript
- **Tools:** Proteus, MATLAB (Matrix Laboratory)
- **Relevant Coursework:** DBMS (Database Management System), DSA, OS (Operating Systems)

EDUCATION

Bachelor of Electronics & Communication Engineering	2025
Institute of Engineering and Technology, Lucknow CGPA: 8.18/10	
Diploma in Electronics & Communication Engineering	2022
Government Girls Polytechnic, Lucknow Percentage: 83.18%	
12th Grade	2020
Punjab School Education Board Percentage: 89%	

PROJECTS

VisionCraft - AI Image Generation Platform	Oct 2024 - Nov 2024
VisionCraft Link - MERN Stack, OpenAI, React, MongoDB, Cloudinary	
<ul style="list-style-type: none">• Engineered an AI-powered image generation platform leveraging OpenAI's DALL-E API, enabling users to seamlessly transform textual prompts into visually stunning artwork.• Empowered users to create and share over 200 unique pieces of artwork, fostering a vibrant community of creators.• Authored a fully responsive frontend using React.js and Material-UI, optimizing load times to under two seconds and enhancing user engagement through a streamlined interface, supported by a robust Node.js and Express.js backend.	
Book Show Application	Sep 2024 - Oct 2024
BookShow Link - MERN Stack, React, MongoDB	
<ul style="list-style-type: none">• Designed and introduced a comprehensive full-stack application for managing a virtual bookstore, allowing users to explore and interact with a catalog of over 200 books.• Facilitated the addition of new titles and access to detailed summaries, enhancing the overall user experience through intuitive navigation.• Utilized React and Tailwind CSS to create a responsive and visually engaging frontend, while employing Node.js and Express.js for a robust backend architecture that ensured efficient data handling.	
React Day Planner with AI	Aug 2024 - Sep 2024
React Day Planner - React, OpenWeatherMap, GitHub, OpenAI	
<ul style="list-style-type: none">• Developed a responsive weather application using React and the OpenWeatherMap API, delivering real-time weather data with an average response time of under two seconds for cities worldwide.• Engineered adaptive API interactions that maintained optimal performance despite varying data availability, contributing to a seamless user experience while achieving consistent loading times under two seconds for real-time weather updates.	

CODING PROFILES / CERTIFICATES

• LeetCode: Solved 300+ DSA questions	Profile Link
• GeeksforGeeks: Ranked 245, solved 150+ DSA questions	Profile Link
• CodeChef: 2-star coder	Profile Link
• Embedded Training PNS Automation	2023 View Certificate
• MATLAB Course Completion Internshala Trainings	2023 View Certificate
• Python Course Completion GUVI	2022 View Certificate

EXPERIENCE

Teaching Assistant, APSD Innovation	Feb 2024 - May 2024
<ul style="list-style-type: none">• Facilitated C++ programming sessions, mentoring and guiding 12 students weekly to enhance their coding skills and problem-solving abilities.	
Trainee, Softpro India	Sep 2022 - Dec 2022
<ul style="list-style-type: none">• Operated and Serviced embedded systems projects utilizing Atmel Studio and Proteus, focusing on microprocessor ATmega16 and Raspberry Pi integration, enhancing system functionality and performance.	

CLUB ACTIVITIES

Volunteer, Parmarth Club, IET	Sep 2022 - Present
Organized and led educational coaching sessions for underprivileged children, driving academic improvement and fostering community engagement.	
Member, Taekwondo Club, IET	Sep 2022 - Present
Actively contributed to Taekwondo training sessions, enhancing physical fitness, discipline, and resilience. Played a key role in organizing events that promoted teamwork, leadership, and personal development.	