

PANKAJ SINGH

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Education

Birla Institute of Applied Sciences	2022 – 2026
<i>B.Tech in Computer Science and Engineering</i>	<i>Percentage: 85%</i>
St. Joseph's Convent School	2020 – 2022
<i>Class XII (CBSE)</i>	<i>Aggregate: 90%</i>
St. Joseph's Convent School	2018 – 2020
<i>Class X (CBSE)</i>	<i>Aggregate: 92%</i>

Experience

Brown Spark Digital	Oct 2024 – Sept 2025
<i>Software Developer Intern</i>	<i>Remote</i>
– Developed and maintained full-stack web applications using the MERN stack for client projects.	
– Built responsive user interfaces with React.js implementing modern UI/UX design and component-based architecture.	
– Designed RESTful APIs using Express.js and Node.js to handle server-side logic and database operations.	
– Worked with MongoDB for database design, data modeling, and query optimization for optimal performance.	

Projects

NoteSummarizer AI	2025
<i>React, AI/ML, NLP, Node.js</i>	
– Developed an intelligent AI-powered application that transforms notes with smart summarization technology using NLP algorithms.	
– Implemented natural language processing algorithms to analyze and extract key information from user notes.	
– Built a responsive React-based interface with intuitive user experience for seamless note management and summarization.	
– Integrated AI models to provide accurate and context-aware summaries, improving productivity and information retention.	
Convo (Real-Time Chat Application)	
<i>MERN Stack + Socket.IO</i>	
– Created a modern real-time chat application with secure authentication and seamless messaging experience, supporting one-to-one and group communication.	
– Implemented WebSocket communication using Socket.IO for instant message delivery, typing indicators, and dynamic status updates.	
– Designed and built RESTful APIs with Express.js and MongoDB for user authentication, message handling, and data persistence.	
– Applied lazy loading and virtualized lists to optimize performance, and developed responsive UI with React.js and Tailwind CSS.	

Skills

- Programming Languages:** C, C++, JavaScript, Python
- Web Development:** HTML, CSS, React.js, Node.js, Express.js, MongoDB
- Tools & Platforms:** Git, GitHub, Linux, VS Code, Postman
- Other:** Data Structures & Algorithms, Problem Solving, AI/ML

Certifications & Activities

- Ranked in **Top 7 out of 170 students** in academics, demonstrating consistent excellence and dedication.
- Achieved **Top 5 position among 25 teams** in the NASA Space Hackathon, demonstrating innovation and problem-solving in space technology.
- Coding Superhero at Coding Blocks** – Mentored students in data structures and algorithms, conducted code reviews, and organized hackathon.
- Open Source Contributor at Elite Coders** – Contributed to multiple open-source projects, collaborated with global developers, and improved codebases with bug fixes and feature enhancements.
- Oracle Cloud Infrastructure 2025 Certified DevOps Professional** – Oracle (Issued Sep 2025, Expires Sep 2027)