

PANKAJ SINGH

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<https://www.linkedin.com/in/pankaj-singh-2a968b212/> | portfolio-j9v1.vercel.app

Education

Birla Institute of Applied Sciences

B.Tech in Computer Science and Engineering

2022 – 2026

Percentage: 85%

St. Joseph's Convent School

Class XII (CBSE)

2020 – 2022

Aggregate: 90%

St. Joseph's Convent School

Class X (CBSE)

2018 – 2020

Aggregate: 92%

Experience

Brown Spark Digital

Software Developer Intern

Oct 2024 – Sept 2025

Remote

- 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

React, AI/ML, NLP, Node.js

2025

- 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)

MERN Stack + Socket.IO

2025

- 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)