

# Kushagra Singh

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## EDUCATION

<b>Babu Banarsi Das Institute of Technology and Management, Lucknow</b>	Nov 2022 - Jun 2026
Bachelor of Technology – Computer Science and Engineering	<b>CGPA: 8.34/10</b>
<b>Singhania Educational Institute, Sitapur (U.P.)</b>	July 2022
Intermediate (CBSE)	<b>Percentage: 76%</b>
<b>Singhania Educational Institute, Sitapur (U.P.)</b>	July 2020
High School (CBSE)	<b>Percentage: 79%</b>

## SKILLS

- Concepts:** Data Structures and Algorithms , OOP, OS, DBMS, Artificial Intelligence
- Languages:** Java, Python, C, JavaScript
- Web and Backend:** React, Next.js, Node.js, REST APIs,
- Databases:** SQL, MongoDB
- Tools:** Git, Linux

## WORK EXPERIENCE

<b>Oasis Infobyte</b>	April 2025 – May 2025
Web Development and Designing Intern	
During my internship I enhanced my development skills by working on projects using HTML, CSS, JavaScript including:-	
<ul style="list-style-type: none"><li>A Pizza Delivery Website</li><li>A To-Do List</li><li>Personal Portfolio</li></ul>	

## PROJECTS

<b>Code Struct (A Data Structure and Algorithm Visualizer)</b>	GitHub
React, Python, Django	Jan 2025 – Sep 2025
Designed and implemented an interactive tool to visualize fundamental data structures (arrays, stacks, queues, linked lists, trees, graphs) and algorithms (sorting, searching, traversal).	
<ul style="list-style-type: none"><li><b>Built an AI – assisted interactive visualization platform for array, stacks, queues, linked lists, graphs &amp; trees.</b></li><li>Integrate an AI – code explainer that takes user – written code (Java/Python)</li><li>Implemented customizable input options and real-time animations for operations like insertion, deletion, searching, and sorting.</li></ul>	
<b>Trade X (A Stock Trading Website)</b>	GitHub
Full-Stack, REST API, JWT	June 2025 – July 2025
<ul style="list-style-type: none"><li><b>AI – Based Stock Price Prediction (Machine Learning Model)</b></li><li>Designed an AI recommendation engine combining historical stock patterns with market sentiment.</li><li><b>User Authentication &amp; Authorization</b> (Sign up, Login, Password Encryption)</li><li><b>Live Stock Market Data</b> using financial APIs (e.g., Alpha Vantage, IEX Cloud)</li></ul>	
<b>Pulse AI</b>	GitHub
Full-Stack, OpenAI API, TypeScript	June 2024 – July 2024
<ul style="list-style-type: none"><li><b>Designed an AI – powered conversational agent with contextual understanding and NLP capabilities.</b></li><li>Integrated the bot with a web interface using Flask (or Node.js) and deployed it using Docker and AWS</li><li>Enabled contextual understanding and multi-turn conversation handling.</li><li>Achieved <b>90%+ accuracy</b> in intent classification and reduced average response time by 30%.</li></ul>	

## CERTIFICATIONS

- AWS Developer Associate: Optimizing AWS - **Infosys**
- Google Associate Cloud Engineer: Google Cloud Overview - **Infosys**
- MERN: Advanced MERN Development - **Infosys**