

# BAISHALI CHATTERJEE

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## EDUCATION

<b>Bachelor of Technology in Computer Science and Engineering</b> <ul style="list-style-type: none"><li>Current CGPA: 9.33 (till 4th semester)</li><li>Institution: Narula Institute of Technology</li></ul>	2022 - 2026
<b>Higher Secondary Education</b> <ul style="list-style-type: none"><li>Percentage: 87.6% (PCMB)</li><li>Institution: Jhalda Satyabhama Vidyapith</li></ul>	2020 - 2022
<b>Secondary Education</b> <ul style="list-style-type: none"><li>Percentage: 90.87%</li><li>Institution: Jhalda Girls' High School</li></ul>	2018 - 2020

## TECHNICAL SKILLS

**Languages:** C, C++, Java, Python, HTML5, CSS3, JavaScript  
**Frontend Technologies:** React.js, Tailwind CSS  
**Backend & Databases:** Node.js, Express.js, MySQL, MongoDB  
**Development Tools:** Git, GitHub, VS Code, CodeBlocks  
**Soft Skills:** Project Management, Technical Communication, Problem Solving

## PROJECTS

<b>Club Management Website</b> — <a href="#">GitHub</a> 🔗 <ul style="list-style-type: none"><li>Architected and developed a comprehensive web platform managing 6+ college clubs using MERN stack</li><li>Implemented secure role-based access control system with JWT authentication</li><li>Designed RESTful APIs handling 1000+ concurrent requests with 99.9% uptime</li><li>Utilized MongoDB for scalable data storage and real-time updates</li><li>Integrated real-time notification system using Socket.IO</li><li>Achieved 40% increase in club participation through streamlined enrollment</li><li>Technologies: MongoDB, Express.js, React.js, Node.js, JWT, Socket.IO</li></ul>	Jan 2024 - Present
<b>Amazon Clone</b> — <a href="#">GitHub</a> 🔗 <ul style="list-style-type: none"><li>Created pixel-perfect clone of Amazon's UI using modern HTML5 and CSS3</li><li>Built interactive product galleries and shopping cart functionality</li><li>Achieved 95% similarity score with original Amazon interface</li><li>Technologies: HTML5, CSS3, Responsive Design, Flexbox, CSS Grid</li></ul>	Nov 2023 - Dec 2023
<b>QR Code Generator</b> — <a href="#">GitHub</a> 🔗 <ul style="list-style-type: none"><li>Developed Python application for generating customizable QR codes</li><li>Implemented support for multiple data types including URLs, text, and vCards</li><li>Added error correction capabilities with Reed-Solomon encoding</li><li>Integrated image processing for custom QR code styling</li><li>Technologies: Python, qrcode, Pillow, Reed-Solomon encoding</li></ul>	Oct 2023
<b>Library Management System</b> — <a href="#">GitHub</a> 🔗 <ul style="list-style-type: none"><li>Built C++ console application using OOP principles</li><li>Implemented efficient data structures for book and member management</li><li>Created automated fine calculation and reminder system</li><li>Designed intuitive CLI interface with error handling</li><li>Technologies: C++, File I/O, Data Structures, OOP</li></ul>	Aug 2023 - Sept 2023

## CERTIFICATIONS

○ C++ Course — <a href="#">Certificate</a> 🔗	2024
○ Python Course — <a href="#">Certificate</a> 🔗	
○ Web Development — <a href="#">Certificate</a> 🔗	

## ONLINE PROFILES & ACHIEVEMENTS

- **GeeksforGeeks:** Solved 400+ DSA problems — [Profile](#) 🔗
- **Coding Ninjas:** Completed 750+ programming challenges — [Profile](#) 🔗
- **HackerRank:** Earned 4 skill badges — [Profile](#) 🔗