

# BHUMIKA SHARMA

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## SUMMARY

Detail-oriented B.Tech CSE student with hands-on experience in the **MERN stack (MongoDB, Express.js, React, Node.js), TypeScript, and Next.js**. **Skilled in building full-stack web applications** with a focus on performance, scalability, and clean architecture. Proficient in **Data Structures** and **Algorithms** using **Java**. Actively **contributing to open-source projects** and real-world platforms like **Clankbnb** and **Renatlog**, with a strong emphasis on **problem-solving, efficient code, and modern development practices**.

## EDUCATION

<b>BTech in Computer Science - 8.7</b> ABES Institute of Technology, Ghaziabad	<b>2022 - 2026</b>
<b>Intermediate - 89.6%</b> JKG International School Ghaziabad	<b>2022</b>
<b>High School - 92.6%</b> JKG International School Ghaziabad	<b>2020</b>

## PROJECTS

### DevArena(Web-Based Code Editor) | Next.js, TypeScript, Tailwind, Clerk, Convex

- Architected and developed Devarena, a **scalable web-based coding platform** leveraging **Next.js, TypeScript, Tailwind CSS, and Convex**. Enabled **real-time code evaluation**. Integrated **Clerk** for **secure, robust user authentication**, identity management, and **role-based access control**, ensuring data security and privacy compliance.
- Optimized frontend performance and UI/UX using Tailwind CSS for responsive, **mobile-first design** and Next.js for **server-side rendering**, reducing page load times. Integrated **Convex** for **serverless backend** and database management, ensuring **real-time data syncing, dynamic content delivery**, and efficient **performance tracking** of **user submissions and coding activities**.

### NextGenMedia(Media Resizer & Optimizer) | Next.js, TypeScript, Tailwind, Node.js, Neon Prisma, Clerk

- Developed a **Media Compression & Optimization Platform** using **Next.js, TypeScript, Tailwind CSS, and Node.js**, enabling users to compress images and videos to meet social media platform requirements like Instagram and Twitter. Integrated **Neon** for **scalable database management** and **Prisma** for **efficient data handling**.
- Implemented **real-time media processing** with a **user-friendly interface**, leveraging **Clerk** for **secure user authentication** and ensuring quick media uploads and **high-quality output** with **minimal latency**.

### CodeCritic(Code Reviewer) | React, Node.js, Express.js, OpenAI API

- Engineered an **AI-driven code review platform**, CodeCritic, using **Node.js, Express.js, and OpenAI API** to **deliver real-time, automated feedback on code quality, efficiency, and readability**. Integrated Nodemon for **automatic live reloading** and **rapid development cycles**.
- Planned **integration with GitHub** pull requests for **automated code reviews**, with features including **multi-language support**, offline review mode, and a UI dashboard for **visual analysis**. **Optimized for collaborative development, continuous improvement, and efficient bug detection**.

### TradeMaster(Financial Console) | Java

- Strategically engineered **TradeMaster**, a **console-centric Java platform**, showcasing **meticulous attention** to detail and effective teamwork. Adeptly utilized **File Handling techniques**, demonstrating **critical thinking and problem-solving prowess**, to securely save **user credentials** and their corresponding **wallet balances**.
- Instituted a **unique username validation mechanism**, ensuring exclusivity and **mitigating potential overlaps** during the registration process.

## RELEVANT COURSEWORK

- Git/Github
- Database Management
- Operating System
- Linux
- Networking
- OpenSource

## TECHNICAL SKILLS

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|--|---|
| <ul style="list-style-type: none"><li><b>Programming:</b> C, Python, Java, JavaScript, TypeScript</li><li><b>Web Development:</b> HTML/CSS, JavaScript, TypeScript, React.js, Next.js, Tailwind CSS, Node.js, Express.js, MongoDB, Prisma, Neon, OpenIMSA, Convex, Clerk, Git, GitHub, Vercel, Docker, OpenAI API.</li></ul> | <ul style="list-style-type: none"><li><b>Frameworks:</b> React.js, Next.js, Express.js</li><li><b>Version Control:</b> Git, GitHub</li><li><b>Databases:</b> MongoDB, Prisma, Neon, OpenIMSA, MySQL</li></ul> |
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## EXPERIENCE

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|---|---------------------|
| <b>Open Source Contribution in GSSOC and Hacktoberfest</b> <ul style="list-style-type: none"><li><b>GirlScript Summer of Code (GSSoC):</b> Actively contributed to open-source projects by <b>resolving issues, enhancing documentation, and implementing new features</b>, demonstrating <b>strong collaboration and problem-solving skills</b>.</li><li><b>Hacktoberfest:</b> Participated in <b>multiple repositories</b> by submitting high-quality pull requests focused on <b>frontend enhancements, bug fixes, and code optimization</b>, showcasing a <b>consistent commitment</b> to the <b>open-source community</b>.</li></ul> | <b>October-2024</b> |
| <b>TA in Apna College</b> <ul style="list-style-type: none"><li>Resolved student doubts in <b>Data Structures &amp; Algorithms (DSA)</b> and <b>MERN stack development</b>, providing <b>technical guidance</b> and <b>conceptual clarity</b>.</li><li><b>Collaborated with a team</b> to conduct <b>interactive sessions</b>, ensuring effective <b>peer learning and hands-on coding support</b>.</li><li><b>Mentored students</b> in building <b>full-stack projects</b>, focusing on <b>real-world implementation, clean code practices, and end-to-end development</b>.</li></ul>  | <b>January-2025</b> |

## ACHIEVEMENTS

- GirlScript Summer of code:** Scored a rank of 2005 among 80,000.
- HacktoberFest:** Instead of 4 made 11 contributions.
- President** at Microsoft Student Chapter ABESIT (Sep 2024 - Present)
- President** at Rubix ABESIT (Sep 2024 - Present)

## CERTIFICATIONS

- Completed **DSA with Java** course by **ApnaCollege** [Certificate](#)
- Completion of **GSSOC-Extd** [Certificate](#)
- Completed **Accenture Innovation Challenge** by **Accenture** [Certificate](#)