

# BHUMIKA SHARMA

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## SUMMARY

Detailed-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>	<b>2022 - 2026</b>
ABES Institute of Technology, Ghaziabad	
<b>Intermediate - 89.6%</b>	<b>2022</b>
JKG International School Ghaziabad	
<b>High School - 92.6%</b>	<b>2020</b>
JKG International School Ghaziabad	

## 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

- Programming:** C, Python, Java, JavaScript, TypeScript
- Web Development:** 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.
- Frameworks:** React.js, Next.js, Express.js
- Version Control:** Git, GitHub
- Databases:** MongoDB, Prisma, Neon, OpenIMSA, MySQL

## EXPERIENCE

### Open Source Contribution in GSSOC and Hacktoberfest

October-2024

- GirlScript Summer of Code (GSSoC):** Actively contributed to open-source projects by resolving issues, enhancing documentation, and implementing new features, demonstrating strong collaboration and problem-solving skills.
- Hacktoberfest:** Participated in multiple repositories by submitting high-quality pull requests focused on frontend enhancements, bug fixes, and code optimization, showcasing a consistent commitment to the open-source community.

January-2025

### TA in Apna College

- Resolved student doubts in Data Structures & Algorithms (DSA) and MERN stack development, providing technical guidance and conceptual clarity.
- Collaborated with a team to conduct interactive sessions, ensuring effective peer learning and hands-on coding support.
- Mentored students in building full-stack projects, focusing on real-world implementation, clean code practices, and end-to-end development.

## 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](#)