Bhumika Choudhary

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📍 UP, Moradabad in linkedin.com/in/bhumika-choudhary-3b580a266

Summary

"Innovative and detail-oriented MERN Stack Developer with expertise in building dynamic, responsive, and scalable web applications using MongoDB, Express.js, React.js, and Node.js. Skilled in creating intuitive user interfaces, developing robust REST APIs, and integrating secure backend solutions. Adept at translating client requirements into efficient technical solutions while following industry best practices. Passionate about continuous learning, problem-solving, and delivering high-quality code to enhance user experience and meet business goals."

Skills

MERN Stack Development, Frontend Technologies, Backend Technologies, Database Management, Tools & Deployment, Soft Skills   ● ● ● ● ○

- **Sub-skills:**
- MongoDB
- , Express.js
- , React.js
- Node.js,
- REST API Development
- Authentication (JWT, OAuth)
- MVC Architecture
- API Integration
- HTML5, CSS3, JavaScript (ES6+)
- Redux, Tailwind CSS, Bootstrap
- Responsive Web Design,
- Middleware, Routing, Server-Side Rendering
- Mongoose,
- Aggregation Framework, Database Design, CRUD Operations
- , Git, GitHub, Postman, Heroku, Netlify, Vercel, npm, VS Code,
- Problem-Solving
- Communication
- Team Collaboration
- Time Management
- Adaptability

key Achievements

26/10/2024	**2nd Position -Shot Put (Zonal Level)**
	Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow
	Achieved 2nd position in Shot Put at Dr. A.P.J. Abdul Kalam Inter-Technical University Sports Fest 2024–25 (Zonal Level), held at Shri Ram Murti Smarak College of Engineering & Technology, Bareilly.

25/10/2024	**Secured 1st position - Discus Throw (Zonal level)**
	Dr. A.P.J. Abdul kalam Technical University (AKTU) , Lucknow
	Secured 1st position in Discus Throw at Dr. A.P.J. Abdul Kalam Inter-Technical University Sports Fest 2024–25 (State Level), held at Shri Ramswaroop Memorial College of Engineering and Management, Lucknow.
13/11/2024	**Participation - Discus Throw (State Level)**
	Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow
	Participated in Discus Throw at Dr. A.P.J. Abdul Kalam Inter-Technical University Sports Fest 2024–25 (State Level), held at Shri Ramswaroop Memorial College of Engineering and Management, Lucknow.

Projects

Netflix Clone

Using React.js | CSS | Resposive UI
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Created a responsive, dynamic video streaming web application inspired by Netflix. Implemented API-based movie data fetching, category-based content display, and smooth navigation using React Router. Designed pixel-perfect UI with adaptive layouts for mobile, tablet, and desktop devices to replicate Netflix's viewing experience.

EchoMic-Mate

Using JavaScript, Web Speech API, HTML, CSS

Developed a voice-to-text and text-to-speech web application enabling hands-free interaction for accessibility and productivity. Integrated the Web Speech API for accurate speech recognition and natural voice synthesis. Designed a clean, responsive UI to ensure compatibility across devices, making the application usable for both casual and accessibility-focused users.

College Website

Tech Stack: React.js | CSS | React Router

Recreated the official Kothiwal Institute of Technology website with pixel-perfect accuracy, replicating all key sections, page layouts, and image placements. Implemented a responsive navigation bar, dropdown menus, and multi-page routing using React Router. Ensured full mobile responsiveness while maintaining the original design aesthetics.

Real-Time-Chat-App

Using : MERN Stack | Socket.io | WebSocket | JWT Authentication | Cloud Deployment
Developed and deployed a full-stack real-time chat platform enabling instant messaging between users with secure authentication and private/group chat rooms. Implemented WebSocket communication using Socket.io ⬈ for live message streaming without page refresh. Designed an intuitive and responsive UI in React.js, integrated with a Node.js and Express.js backend, and MongoDB for persistent message storage. Deployed the application on a cloud server ensuring high availability and scalability.

Build AI Virtual Assistant

Tech Stack: MERN Stack | AI APIs | JWT Authentication| Cloud Deployment
Developed and deployed an AI-powered virtual assistant capable of answering user queries, performing predefined tasks, and engaging in natural, contextual conversations. Designed a responsive and interactive interface in React.js, connected to a secure Node.js and Express.js backend. Integrated AI APIs for natural language understanding and automated task execution. Stored conversation data in MongoDB and implemented JWT-based authentication for secure, personalized sessions. Deployed the application on a cloud platform for global accessibility and seamless performance.

Education

2022 – Present Moradabad, India	**Bachelor of Technology (B.Tech)-Computer Science & Engineering** *Kothiwal Institute of Technology and Professional Studies, Moradabad – Dr. A.P.J. Abdul Kalam Technical University 2022 – 2026	Moradabad, India* Pursuing a comprehensive curriculum in software development, data structures, algorithms, and full-stack web technologies, with hands-on projects in MERN stack, AI integration, and real-time applications.
2021 – 2022 Moradabad, India	**Senior Secondary (12th) - Science Stream** *S.D.M. Inter College , Moradabad , Uttar Pradesh Board* Completed with focus on Physics, Chemistry, and Mathematics ,building a strong analytical and Problem-solving foundation
2019 – 2020 Moradabad, India	**High School(10th)** *S.D.M. Inter College , Moradabad , India* Achieved distinction in core subjects with emphasis on mathematics and logical reasoning

Certificates

Angular 6 – Infosys Springboard (2025)

- Acquired foundational to intermediate skills in Angular 6 framework, covering component-based architecture, data binding, routing, and form handling for dynamic single-page applications.

Internship Demo Session – Edureka (2024)

- Participated in a live industry session covering software development lifecycle, cloud deployment strategies, and collaborative project management.

Full Stack Development Workshop – TechBairn (2025)

- Completed an intensive workshop on end-to-end web application development using HTML, CSS, JavaScript, Node.js, Express.js, MongoDB, and React.js, focusing on industry best practices.

Introduction to Frontend Development – Simplilearn (2024)

- Completed an online course covering the fundamentals of frontend web development, including HTML5, CSS3, and JavaScript. Learned the principles of responsive design, DOM manipulation, and UI/UX best practices, gaining the skills to build user-friendly and mobile-optimized web pages.

Languages

- English
- Hindi