



Amar Singh

Bachelor of Technology(Computer Science)

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 Amar Singh

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SUMMARY

A passionate Computer Science graduate with hands-on experience in web development and backend services using Node.js and Express.js. I am currently enhancing my skills in automation workflows with n8n and integrating AI APIs to build smarter, user-friendly applications. I have completed certifications in AI foundations and enjoy working on projects that bridge real-time communication and intelligent systems.

EDUCATION

Shambhunath Institute of Engineering and Technology Prayagraj July 2025

Bachelor of Technology in Computer science - 7.75 CGPA

Anjana Institute of Technical Education Pratapgarh Sep 2021

Diploma in Mechanical Engineering - 72.98%

SKILLS

- Backend Development - Node.js, Express.js, REST API design, Socket.io
- Automation Workflow - n8n (working on integrating APIs for automation tasks)
- AI Integration - OCI Certified AI Foundations, Web Speech API, OpenAI(learning)
- Frontend - HTML, CSS, JavaScript, React.js
- Databases - MongoDB, MySQL
- Programming Languages - Java, Python
- Tools - VS Code, GitHub, Postman, Microsoft Word, Microsoft Powerpoint, Microsoft Excel
- Soft Skills - Critical thinking, Leadership, Problem solving, Time Management, and Teamwork
- Project Management - SDLC, Waterfall Model

WORK EXPERIENCE

SGTech Technology Pvt Ltd Sep 2024 - Oct 2024

Full Stack Development Internship(Remote)

- Building a real-time chat application using HTML, CSS, JavaScript, Node.js, and Socket.io. Developing responsive UI and ensuring seamless message delivery.
- As a fresher, I focused on learning real-time communication concepts and building user-friendly interfaces with proper client-server interaction.
- Also gained hands-on experience in basic backend setup and handling multiple users in a chat environment.

PROJECTS

Virtual Assistant [Link](#) Sep 2024

- Developed a voice-based virtual assistant using HTML, CSS, JavaScript, and the Web Speech API.
- Implemented features like real-time clock updates, weather information retrieval, and voice command recognition to perform basic tasks.
- Designed an interactive and responsive UI that responds dynamically to user input and provides audio-visual feedback.
- Ensured cross-browser compatibility and optimized for mobile and desktop environments.

Searching Visualizer [Link](#) Oct 2024

- Developed an interactive web-based tool to visualize Linear and Binary Search algorithms using HTML, CSS, and JavaScript.
- Implemented step-by-step animations to demonstrate how each algorithm traverses the dataset.
- Enabled user input for custom arrays and target values to simulate different scenarios.
- Added real-time highlighting of elements during the search process to enhance user understanding..

CERTIFICATE

- Deloitte Australia-Technology Virtual Experience Program(Forage) [Link](#)
- OCI 2025 Certified AI Foundations Associate(Oracle) [Link](#)
- MongoDB Essentials Course [Link](#)
- Node.js Certification Course [Link](#)

LANGUAGE

English, Hindi