Amber Hasan

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CAREER SUMMARY

Software Engineering undergraduate with strong **problem-solving skills**, solid **computer science fundamentals**, and hands-on experience building **scalable full-stack systems**. Proficient in **Data Structures & Algorithms, Object-Oriented Programming**, and modern web technologies. Seeking an oppurtunity to contribute to reliable, production-grade systems.

EDUCATION

B.Tech in Computer Science and Engineering   **2023 − 2027**
Pranveer Singh Institute of Technology, Kanpur   CGPA: **8.96**

Senior Secondary Education   **2020 − 2022**
Hudson Memorial Girls Inter College   Class 12: **80%**, Class 10: **84.6%**

TECHNICAL SKILLS

Programming Languages	C++, C, JavaScript (ES6+), TypeScript, Python, Java
Core CS	Data Structures & Algorithms, Problem Solving, OOP, DBMS, OS, Low-Level Design, Debugging
Frontend	React.js, Next.js, HTML5, CSS3, Tailwind CSS
Backend	Node.js, Express.js, REST APIs, Authentication & Authorization
Databases	MongoDB, MySQL
Tools & Platforms	Git, GitHub, Docker (Basics), Postman

PROJECTS

InterviewX   GitHub | Dec 2025

- Designed and engineered an AI-powered interview simulation platform using **Next.js, TypeScript, MongoDB**, and **VAPI** for real-time voice-based interviews.
- Integrated secure **NextAuth authentication** with MongoDB Adapter to ensure reliable session persistence.
- Architected event-driven interview workflows by handling call lifecycle events, speech recognition, and AI-generated responses.
- Optimized a responsive and accessible UI using React and Tailwind CSS to enhance user experience.

Blogify   GitHub | Aug 2025

- Developed a full-stack blogging platform using the **MERN stack**, supporting role-based access control.
- Implemented authorization, secure media uploads via Cloudinary, and schema validation using Zod.
- Engineered scalable **REST APIs** with modular architecture, centralized error handling, and clean coding practices.
- Built a predictable frontend using **Redux Toolkit** for efficient state management.

Bubble Brain   GitHub | May 2025

- Created a TypeScript-based second-brain application using **React** for structured knowledge management.
- Implemented **JWT authentication**, protected routes, and optimized data flow for performance.
- Designed a scalable project structure with strong TypeScript typing to improve maintainability.
- Integrated external content embedding including YouTube and X.com.

COMPETITIVE PROGRAMMING & ACHIEVEMENTS

- Solved **1000+ LeetCode problems** (600+ Medium, 100+ Hard); Rating: **1827**, demonstrating strong algorithmic thinking and problem-solving skills.
- Participated in ISRO Hackathon, Adobe India Hackathon, and TVS E.P.I.C 7.0.
- Winner of Hindustan Yuva Sansad Debate (2023–24).

CERTIFICATIONS

Node.js & Express.js	Simplilearn	2025
Python for Data Science	Infosys Springboard	2024
HTML, CSS, JavaScript	Infosys Springboard	2024
C Programming, C++ Programming	Infosys Springboard	2024
Introduction to Figma	Simplilearn	2025

LEADERSHIP & COMMUNICATION

- Served as School Captain for two consecutive years, leading student teams and initiatives.
- Strong communication skills demonstrated through debates, presentations, and technical discussions.
- Experienced in collaborative, multi-member engineering teams.