

Abhijeet Singh

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EDUCATION

Guru Nanak Dev Engineering College

Bachelor of Technology in Information Technology

Ludhiana, Punjab

Sep. 2022 – May 2026

CERTIFICATIONS

CS50's Introduction to Computer Science

July 2023

Harvard University (edX)

- Gained a strong foundation in computer science, mastering topics like algorithms, data structures, and web development. Completed Python and C projects, applying problem-solving skills to real-world scenarios.

CS50's Introduction to Artificial Intelligence

January 2024

Harvard University (edX)

- Mastered core AI concepts including knowledge representation, neural networks, and machine learning models.
- Developed practical applications using Python for natural language processing and computer vision.

PROJECTS

Initiators of Change | *MERN Stack (MongoDB, Express, React, Node.js)* | [View project](#)

- Developed a full-stack web application to manage NGO operations, improving user engagement by 45% with dynamic content and real-time updates.
- Implemented event tracking, volunteer sign-ups, and donation tracking features, streamlining administrative workflows.
- Built a responsive UI using React and Tailwind CSS, ensuring optimal performance across devices and user roles.
- Integrated secure authentication with JWT and bcrypt, ensuring data privacy and compliance with GDPR standards.

D2 Global Immigration | *MERN Stack (MongoDB, Express, React, Node.js)* | [View project](#)

- Designed and developed a responsive website to provide immigration services, increasing conversion rates by 38%.
- Used Framer Motion to add engaging animations, enhancing the overall user experience with interactive, smooth transitions.
- Implemented custom form validations using EmailJS and multi-step user flows to ensure a seamless process for clients across different services.
- Optimized page loading speed by 67% and improved SEO by implementing server-side rendering (SSR) with React and Node.js.

#OOTD | *AI-Powered Fashion Stylist* | [View Project](#)

- Developed a personalized fashion recommendation platform with secure user authentication using Clerk.js, reducing dropout rates by 42%.
- Implemented dynamic question generation system using local Llama 3 model, adapting to user responses for tailored fashion advice.
- Created AI-generated outfit recommendations considering cultural factors, seasonality, and personal style preferences.
- Designed an interactive UI with outfit visualization capabilities and PDF/image export functionality, increasing user engagement by 53%.

TECHNICAL SKILLS

Languages: JavaScript, Python, C++, C, HTML5, CSS, TypeScript

Technologies: Node.js, Next.js, Express.js, React.js, Flask, MongoDB, TailwindCSS

Developer Tools: VS Code, Git, GitHub

Databases: SQL (SQLAlchemy, MySQL)

AI /ML: Llama 3, Clerk.js, Generative AI

LEADERSHIP / EXTRACURRICULAR

Initiators of Change

Volunteer Project Manager

Ludhiana, Punjab

Sep. 2022 – Present

- Led multiple initiatives aimed at youth engagement and community development, resulting in a 30% increase in volunteer participation.
- Organized educational workshops and fundraising events, raising awareness on issues like education, sanitation, and women's rights.