

# Abhijeet Singh

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Abhijeet Singh

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Portfolio

## EDUCATION

### Guru Nanak Dev Engineering College

Bachelor of Technology in Information Technology

Ludhiana, Punjab

Sep. 2022 – May 2026

## EXPERIENCE

### Faculty Development Intern

Indian School of Business (ISB)

Mohali, Punjab

Aug. 2025 – Sep. 2025

- Conducted research interviews with 25+ mid-level bureaucrats from Government of Punjab on policy implementation challenges
- Developed "Seva Sahayak" AI-powered assistant [sewa-sahayak](#) using Google Gemini API and RAG architecture to solve officer knowledge dependency
- Built comprehensive system with Next.js, TypeScript, ChromaDB for vector storage, and PDF processing capabilities
- Enhanced Peer Knowledge Exchange Platform with advanced features, improving user engagement

### Full Stack Developer Intern

Prof. Prabhat Barnwal (Michigan State University)

Remote

Apr. 2025 – July 2025

- Led development of Peer Knowledge Exchange Platform serving Punjab government officers [pkep](#)
- Launched "Sewa Assist" WhatsApp chatbot, enabling instant access to resources
- Implemented on-site chatbot that decreased support tickets and increased self-service resolution rate

### Freelance Web Developer

Self-Employed

Remote

Jan. 2024 – Present

- Increased Ankkor e-commerce revenue by 45% through Next.js/TypeScript platform [ankkor.in](#)
- Boosted D2 Global Immigration client conversion via MERN stack platform [d2global.in](#)
- Scaled Initiators of Change NGO impact through MERN stack platform [initiatorsofchange.com](#)

## PROJECTS

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

March 2025

- Developed a personalized fashion recommendation platform using Next.js, TypeScript, and TailwindCSS, with Clerk.js for authentication and Supabase for the database, reducing dropout rates by 42% and increasing average session time by 3.5 minutes
- Implemented dynamic question and outfit generation using Google's Gemini API, interactive visualizations with a Hugging Face model, and outfit analysis of user-uploaded images with the Gemini Vision API, increasing user engagement by 58% and social media sharing by 75%

### Homely [Homely](#) | Food Delivery Platform

June 2025

- Engineered home-cooked food delivery marketplace using Next.js, Express, and MongoDB, reducing order processing by 35%
- Implemented AI-powered nutrition analysis using Google's Gemini API for personalized dietary recommendations

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Python, C++

**Technologies:** React.js, Next.js, Node.js, Express.js, RESTful APIs

**Databases:** MongoDB, MySQL, ChromaDB, GraphQL, Redis

**Developer Tools:** Git, GitHub, VS Code, Postman, Docker

**AI/ML:** Google Gemini API, RAG Architecture, Vector Embeddings, Llama models, Generative AI, LLMs

## CERTIFICATIONS

CS50's Introduction to Computer Science - Harvard University (edX) — December 2023

CS50's Introduction to Artificial Intelligence - Harvard University (edX) — January 2025

## LEADERSHIP / EXTRACURRICULAR

### Initiators of Change

Volunteer Project Manager

Ludhiana, Punjab

Sep. 2022 – Present

- Led initiatives resulting in 30% increase in volunteer participation and organized educational workshops on mental health