

Varun Singh

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EDUCATION

SRM Institute of Science and Technology (SRMIST)

B.Tech in Computer Science and Engineering – CGPA: 9.67/10

Modinagar

2023 – 2027

KDMA World

Senior Secondary (Class XII - ISC) – Percentage: 93%

Kanpur

2021 – 2022

PROJECTS

AI Image Generator Web App | *HTML, CSS, JavaScript, Hugging Face Inference API* June 2020 – Present

- Developed a fully functional AI-powered web application that generates images from text prompts using Hugging Face Inference API.
- Integrated image generation models including Stable Diffusion XL, FLUX Schnell, and FLUX Kontext for dynamic visual output
- Optimized API requests and UI performance, achieving less than 1.2s average response time for image fetch and render.
- Built features including model switching, image count and aspect ratio selection, and error handling for robust user interaction.
- Code Repository: <https://lnkd.in/ejAtuZuh>

Hospital Management System | *Java, Java Swing, MySQL, Git*

- Developed a desktop application using Java Swing and MySQL to automate hospital workflows, reducing manual data entry errors by 90%.
- Implemented CRUD functionality, real-time data synchronization, and dynamic form validations for robust database operations.
- Integrated advanced search, update, and report generation features to support admin decision-making.
- Designed an intuitive GUI with Java Swing, enhancing usability and reducing user onboarding time by 40%

Personal Portfolio Website | *Java, Java Swing, MySQL, Git*

- Designed and deployed a responsive portfolio website to showcase projects, skills, and resume — improving online visibility and personal branding.
- Included a Contact Me form with validation and external linking to LinkedIn and GitHub for professional networking.
- Created project cards with GitHub links and integrated smooth scrolling, mobile-first layout, and custom animations using CSS transitions.
- Live Site: <https://varunsingh7389.github.io/>

EXPERIENCE

Web Development Intern

June 2025

Codsoft

- Completed a 1-month remote internship focused on building full-stack web development skills through real-world projects and daily coding tasks.
- Integrated RESTful APIs and worked on backend logic using Node.js, enhancing application performance and scalability by 30%.
- Strengthened problem-solving and debugging skills by identifying and fixing 20+ frontend and logic errors during deployment.
- Certificate Repository: github.com/VarunSingh1103/CodSoft-Cert

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS

Frameworks: React, Node.js, Flask, Next, Bootstrap, Tailwind CSS, FastAPI

Developer Tools: Git, GitHub, Vercel, Netlify, Google Cloud Platform, VS Code

Libraries: pandas, NumPy, Hugging Face Transformers (used via API)