Aman Sharma

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SUMMARY

Computer Science undergrad passionate about full-stack and frontend engineering. Experienced in React, Next.js, TypeScript, and design systems like Tailwind CSS and ShadCN UI. Proficient in Python and C++, with experience in ML, web development, and real-world project delivery. Quick learner and team player building scalable solutions.

EDUCATION

Jaypee University of Information Technology, Solan, Himachal Pradesh **[2022 − 2026]**
Bachelor of Technology in Computer Science *CGPA: 8.45 / 10*

D.A.V Ambuja Vidya Niketan, Darlaghat, Himachal Pradesh **[2020 − 2022]**
Higher Secondary Education – CBSE

TECHNICAL SKILLS

- **Languages:** C, C++, Python, HTML, CSS JavaScript, TypeScript(basic)

- **Frameworks & Libraries:** React.js, Next.js, Django, Tailwind CSS, ShadCN UI

- **Databases:** MySQL, MongoDB

- **Technologies:** REST APIs, Docker, Lucide Icons

- **Coursework:** Data Structures & Algorithms, Operating Systems, OOPs, Machine Learning, DBMS

PROJECTS

Personal Developer Portfolio Website **[Jan-Feb 2025]**

- Designed and developed a responsive portfolio to showcase projects, resume, and skills.

- Built with Next.js App Router, styled using Tailwind CSS and ShadCN UI components.

- Integrated Framer Motion for smooth animations and Lucide for icons.

- **Technologies Used:** Next.js, TypeScript, Tailwind CSS, ShadCN UI, Framer Motion, Lucide

Symptom Checker Web App **[May 2025–Ongoing]**

- Developed a full-stack medical web app to detect possible diseases based on symptoms using ML and NLP models.

- Built with Django backend, integrated Wikipedia API for medical descriptions, and user-friendly HTML frontend.

- **Technologies Used:** Django, Python, HTML/CSS, Wikipedia API, SQLite

Plant Disease Detection using GAN **[Feb–May 2025]**

- Designed GAN-enhanced classifier to detect plant diseases with accuracy boosted from **75.45%** to **85.60%**, F1-score from **0.7696** to **0.8715**.

- Built real-time Gradio UI with MobileNetV2 and ResNet34 for image recognition and Wikipedia info.

- **Technologies Used:** Python, GANs, Gradio, MobileNetV2, Wikipedia API

SOFT SKILLS

- Effective Communication
- Analytical Thinking

- Team Collaboration
- Adaptability

CERTIFICATIONS

- **Google Cybersecurity Professional Certificate**

- **Introduction to Cloud Computing**