



# SHUBH PRIYANK

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## EDUCATION

B.Tech (CSE)	NSUT	2022–2026	9.39
Class XII (CBSE)	CRPF PUBLIC SCHOOL	2021-2022	97.60%
Class X (CBSE)	GYAN NIKETAN	2019-2020	96.50%

## WORK EXPERIENCE

- **Software Engineer Intern | MICROSOFT** MAY 2025 – Present
  - Developed and integrated robust image comparison algorithms into core APIs (Image Scaler, Object Remover, and Object Extractor) to automatically validate output quality and support PSAPI version regression testing.
  - Designed a modular and extensible image comparison framework, enabling seamless addition of new algorithms and reducing future integration effort.
  - Integrated image comparison algorithms with AIF unit test cases, enabling automated quality validation during testing phases and ensuring consistent performance across releases.
  - Automated image quality evaluation by embedding the comparator into the AIF Regression Pipeline and publishing structured JSON results to a Power BI dashboard, enhancing visibility and traceability across teams.

## PROJECTS

- **PromptCraft (Text-to-Image Generator)**
  - Built a text-to-image generation platform using Stable Diffusion model , enabling authenticated users to generate, view, and download AI-generated images.
  - Implemented CLIP Interrogator to extract descriptive text from generated images improving user creativity.
  - Added CLIP-score based filtering and ranking to automatically surface the most relevant and high-quality generated images.
- **Kasrat (AI Powered Fitness Assistant) ([Deployed Link](#))**
  - AI-Powered Fitness Assistant – Interactive voice + text AI (Vapi + Gemini AI) to understand user goals and generate personalized fitness diet programs.
  - Personalized Programs – Dynamic workout routines and custom meal plans tailored to fitness level, injuries, and dietary preferences.
  - Modern Tech Stack – Built with Next.js, React, Tailwind, Shadcn UI, Convex (real-time DB), and deployed seamlessly on Vercel.

## TECHNICAL SKILLS AND TOOLS

- **Languages:** C++, C, Python (Beginner)
- **Core Concepts:** Database Management System, Operating System, Object Oriented Programming
- **Frameworks & Libraries:** React.js, Tailwind CSS, Express.js
- **Tools/Database:** MySQL, MongoDB, Git, Github

## ACADEMIC ACHIEVEMENTS

- Ranked 1st in department based on a cumulative GPA of 9.39 in NSUT.
- Solved over 750 problems on LeetCode and achieved a maximum rating of 1841 in rated contests.
- CVSPK Merit Scholarship Recipient – Awarded to top 5 percent of students for academic excellence at NSUT