SHUBH PRIYANK

NSUT | shubh.priyank.ug22@nsut.ac.in | +91-8651914425
LinkedIn | GitHub | LeetCode |

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

- **Real Time Chat Application** (GitHub) (Deployed Link)
  - Developed a real-time chat application that enables secure 1-on-1 messaging, addressing the need for instant, private communication through a clean and responsive UI.
  - Implemented real-time message delivery and typing indicators using Socket.IO, with persistent message storage in MongoDB for seamless chat continuity.
  - Built a full-stack system using React (frontend) and Node.js with Express (backend), styled with Tailwind CSS for a mobile-friendly, modern interface.
  - Secured user authentication and protected routes using JWT.

- **Restaurant Web Application** (GitHub) (Deployed Link)
  - Developed a full-stack restaurant platform using the MERN stack with features like menu management and reviews.
  - Designed an intuitive user interface and admin dashboard for smooth restaurant operations.
  - Ensured a seamless experience across devices with responsive design.

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