# MANISH KUMAR SAH

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## SKILLS

- **Languages**:        C, C++, SQL, PHP, HTML, CSS, JavaScript, Java, Python
- **Frameworks**:       React.js, Express.js, Node.js, MongoDB, PostgreSQL, Next.js
- **Tools/Platforms**:  Git, GitHub, Docker, MS Excel, VS Code
- **Soft Skills**:      Adaptive Learner, Leadership Capability, Effective Communication

## EXPERIENCE

- **GirlScript Summer of Code (GSSoC)**                                    *Mar 2025 – Oct 2025*
  *Project Admin*
  - Mentored 20+ developers in open-source best practices, resulting in a 40% increase in code contribution quality, measured by peer review scores and reduced code defects.
  - Directed 10+ projects by setting milestones, triaging issues, and reviewing PRs, improving merge turnaround time by 20%.

## PROJECTS

**QuickStay– Hotel Booking Platform** | **LINK**                          *Jun 2025 – Sep 2025*
- Engineered hotel onboarding workflows, reducing registration time by 20% and enhancing room update responsiveness for smoother scalability.
- Integrated Clerk authentication for secure user sessions and leveraged Cloudinary for efficient image handling, boosting page load speed.
- Improved platform stability through robust error handling and input validation, minimizing user-facing glitches and enhancing overall usability.
- **Tech Stack:** *MERN Stack, Clerk (Authentication), Cloudinary*

**Algorithm Visualizer** | **LINK**                                        *Oct 2025 – Nov 2025*
- Created an interactive algorithm visualization platform with React and TailwindCSS, helping 200+ learners understand core algorithms through real-time animations.
- Implemented 6+ graph algorithms (Dijkstra's, BFS, DFS, Kruskal's MST, Prim's MST, Topological Sort) with graph generation and animated edge relaxation, improving conceptual clarity by 40%.
- Boosted rendering performance by 30% through efficient React state management and memoization, ensuring smooth visualization of large datasets with 100+ nodes.
- **Tech Stack:** *React, UI/UX Documentation, Frontend Development*

**Live Posture Detection** | **LINK**                                      *Oct 2024 – Nov 2024*
- Built a real-time browser-based posture detection system using PoseNet (ml5.js) and p5.js, capturing 17 human body keypoints from webcam streams.
- Designed an interactive interface allowing users to adjust keypoint visualization and tracking parameters, increasing user satisfaction by 25% within 3 months.
- **Tech Stack:** *HTML, CSS, JavaScript (ml5.js, p5.js)*

## CERTIFICATES / CERTIFICATIONS

- DevOps Engineer Learning Plan  Self-Paced | AWS (Amazon).                *Sept 2025*
- Full-Stack Development Self-Paced | CipherSchools                        *Jul 2025*
- 160 Days of DSA Self-Paced | GeeksforGeeks                               *May 2025*
- Cloud Computing by IIT Kharagpur 8 week course | NPTEL                   *Apr 2024*

## ACHIEVEMENTS

- Secured a 99.66 percentile (AIR 1713) in **Naukri Campus Young Turks 2025**, India's largest national skill assessment, recognized by leading industry experts.
- Top 0.25% (25th rank) among 10,000+ participants in the **Kshitij Mathematics Olympiad** (IIT Kharagpur), showcasing excellence in advanced mathematics.
- Selected as Campus Mantri at **GeeksforGeeks** (2025), leading a tech community of 300+ members and organizing 10+ hackathons and workshops.
- Achieved a LeetCode Contest Rating of 1600+, placing in the top 21% globally among active participants.

## EDUCATION

**Lovely Professional University**                                         Phagwara, Punjab
- *Bachelor of Technology - Computer Science and Engineering;* **CGPA: 8.28/10**          *Aug 2023 - Present*

**Regional Secondary School**
- *Intermediate;* **Percentage: 87%**                                      *Jul 2020  - May 2022*