

Satyam Singh

Kanpur, Uttar Pradesh | satyam.12011172@gmail.com | 09758051994 | Portfolio | LinkedIn | Github

Skills

- **Programming Languages:** Java, JavaScript, Python, SQL
- **Frameworks and Tools:** ReactJS, Node.js, Prisma, Docker, AWS (EC2), MongoDB, Git, OOPs
- **Soft Skills:** Team Collaboration, Project Management, Strategic Resolution, Effective Scheduling, Communication, Self-Motivation

Education

Lovely Professional University - BTech in Computer Science and Engineering Jul 2020 – Aug 2024

- CGPA: 7.7/10
- **Coursework:** Data Structures and Algorithms, Operating Systems, Database Systems, Object-Oriented Programming, Machine Learning, Image Processing.

Jaypee International School, Intermediate April 2019 – April 2020

- Percentage: 88

Experience

Software Engineer Intern, Progyan Educations – Punjab, India Feb 2024 – April 2024

- Initiated comprehensive testing protocols that identified key areas of improvement in existing UI components; findings enabled fixes for three major causes of crashes, resulting in smoother site functionality.
- Developed and implemented a scalable backend architecture using Node.js and MongoDB, achieving a 25% improvement in API performance and ensuring seamless database integration.
- Engineered a solution to compute method similarity across codebases, reducing computation time by 40%, enabling faster and more efficient analysis for developers.
- Automated data extraction and processing with Prisma, saving over 10 hours weekly on manual tasks and streamlining backend operations for improved efficiency.

Frontend Developer - Intern, Edvedha – Hyderabad, India Oct 2023 – Feb 2024

- Engineered optimized workflow for updating website details, reducing content update time by 15%, enhancing team efficiency and system performance
- Integrated iChat with Spotlight Search by creating a tool to extract metadata from saved chat transcripts and provide metadata to a system-wide search database
- Improved website load time by 30% , through React component optimization and adherence to SEO best practices enhancing user experience.

Projects

MetaVerse - Multi User Game - 2D [Live Link](#)

- Designed and developed a 2D multiplayer game allowing users worldwide to play together in real-time.
- Integrated WebSocket and HTTP protocols to establish seamless multiplayer connectivity, enabling efficient real-time communication and ensuring a smooth experience for users across different regions.
- Implemented Prisma ORM to streamline database interactions, achieving a 30% reduction in response times while ensuring scalable and robust connections with the MongoDB database for optimal performance.
- Secured data persistence, supporting 100+ concurrent users without downtime.

Achievements

Engaged with complex programming scenarios through consistent resolution of more than 200 algorithmic puzzles in LeetCode, producing robust foundational skills crucial for effective troubleshooting within project environments. Jan 2025