


Shivam Gopal

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Education

Masai School

Jul 2024 – current date

FullStack Web Development

- **Coursework:** Data Structures and Algorithms, System Design, DBMS, MVC controller, OOPs

Guru Gobind Singh Indraprastha University

Dec 2020 – Jul 2024

B.Tech in Information Technology

- GPA: 7.5/10
- **Coursework:** Computer Architecture, Comparison of Learning Algorithms, Computational Theory

Experience

UTKRISHT: Front-End Developer

Jul 2023 – Sep 2023

- Developed an interactive website for GGSIPU students during a 4-week internship, incorporating user feedback to resolve key problems; delivered solutions that enhanced navigation and engagement across all site features.
- Improved overall site engagement by implementing interactive elements that increased user retention rates; exceeded program goals as evidenced by a notable drop in bounce rate to under 40
- Enhanced collaboration skills through strategic task delegation among a diverse group of six interns while fostering clear communication channels to achieve critical project objectives on schedule during the internship period.

Projects

PurePharma: Pharmacy E-commerce Website

[Github](#) 

- **Advanced Shopping Experience:** Developed a highly responsive e-commerce application using React, Node.js, and MongoDB; integrated advanced search and sorting features that improved the user experience by decreasing average shopping time from 10 minutes to 5.
- Engineered an interactive e-commerce platform with cutting-edge features using React and Node.js; achieved significant user satisfaction by halving the typical shopping duration from 10 minutes down to only 5.
- **Streamlined Deployment:** Leveraged Netlify for the front-end and Render for the back-end, ensuring reliable performance and automated updates via GitHub.

Realtime Tracking System

[Github](#) 

- Engineered a real-time GPS tracking solution leveraging Socket.io and Leaflet.js, achieving instantaneous location updates across 15+ devices simultaneously while enhancing user engagement through interactive mapping features.
- Architected a resilient backend infrastructure with Express.js that facilitated a seamless increase in user traffic by 30
- Leaflet.js to display dynamically updating markers on an interactive map, providing real-time geolocation updates across desktop and mobile platforms.

Skills

Languages: C, C++, Python, HTML, CSS, JavaScript, SQL

Frameworks and Libraries: React.js, Node.js, Redux.js, Express.js,

Databases: MongoDB, Firebase, MySQL

Tools: Git, Github, Github Copilot, OpenAI

Good knowledge of DSA, operating systems, software engineering, system design, DBMS, and OOPS.

ACHIEVEMENTS AND EXTRA-Curricular ACTIVITIES

- Achieved a contest rating of 1592 on the GeeksforGeeks platform, demonstrating ability to think critically and implement efficient algorithms in high-pressure environments.
- Secured a 2100 rating in chess on the Lichess.com portal and also organised a few chess tournaments.
- Led the college's music society as head guitarist, performing at over 10 events and contributing to a 30 percent increase in event attendance through engaging performances that captivated audiences across campus.
- Member of the college's photography society and have covered various college events.