



Harsh Vardhan Tripathi

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Education

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| Shri Ramswaroop Memorial College of Engineering, Lucknow <i>B.Tech in Computer Science and Engineering(AI & ML)</i> | Dec 2021 – Jul 2025 (expected) <i>CGPA: 7.64</i> |
| City Montessori School, Lucknow <i>Higher Secondary</i> | Apr 2020 <i>88%</i> |

Experience

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| Ahex Technologies <i>Software Developer Intern</i> | Aug 2024 – Present <i>Remote</i> |
| <ul style="list-style-type: none">Enhanced user experience by designing and integrating five new interactive components, resulting in a 25% increase in user engagement and a 15% rise in session duration across the platform.Identified and resolved 3+ bugs, optimizing code for stability across the application.Integrated 5+ loading animations and skeleton screens improving overall user satisfaction. | |

Projects

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| Sociopedia | [GitHub] |
| <ul style="list-style-type: none">Designed and implemented a full-stack application with Sign Up and Login capabilities using Node.js and Express.js, reducing registration abandonment rates by 15% and streamlining the user experience.Developed content feeds and comment threads to boost user engagement and foster community interaction.Engineered dark mode using Tailwind.css and used Redux Toolkit for efficient state management.Created the frontend with React.js and integrated MongoDB for streamlined and scalable data storage. | |
| Natours | [GitHub] |
| <ul style="list-style-type: none">Built a holistic tour management system, displaying 9 tours with detailed descriptions.Enabled profile management, allowing users to create profiles and modify personal settings.Deployed authentication mechanisms using Node.js and Express.js to ensure secure access.Implemented frontend rendering with Pug templates to deliver an intuitive user interface. | |
| Netflix-GPT | [GitHub] |
| <ul style="list-style-type: none">Constructed an intuitive React.js interface for movie searching that provided contextual awareness, reducing user frustration and increasing average session duration by 15 minutes, thus driving deeper engagement.Integrated OpenAI and TMDb APIs into an existing movie database, streamlining search operations and reducing query processing times by 60%, thereby enhancing overall user experience and efficiency.Firebase authentication ensures secure user authentication.Manage Redux Toolkit for state management in the Application. | |

Technical Skills

- Programming Languages:** C/C++, Java, Python, JavaScript.
- Frameworks:** React.js, Node.js, MongoDB, Express.js, Tailwind.css,
- Technologies/Tools:** Git, GitHub, Firebase, Redux Toolkit.
- CS Fundamentals:** Data Structures and Algorithms(DSA), OOPs, DBMS, OS, CN.

Licenses and Certifications

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| Machine Learning Foundations 1 (Alberta Machine Intelligence Institute) <i>Machine Learning1 Training and Certification</i> | [Badge] |
| Machine Learning Foundations 2 (Alberta Machine Intelligence Institute) <i>Machine learning2 Training and Certification</i> | [Badge] |
| Node.js, Express, MongoDB More: The Complete Bootcamp <i>Udemy</i> | [Badge] |