Neeraj Singh Negi

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Education

Graphic Era Hill University, CGPA   **Sep. 2023 - Present**
Bachelor of Computer Applications, 8.8 CGPA   *Bhimtal, Uttarakhand*

Skills

Languages: Java, Python, C++, JavaScript
Developer Tools and Platforms: Git, Visual Studio Code, Cursor, Anaconda, Canva, MYSQL, Jupyter Notebook
Technologies and Frameworks: MongoDB, Express.js, React.js, Node.js, Tailwind CSS, Bootstrap
Libraries and Tools: NumPy, Pandas, Matplotlib, Scikit-learn
Relevant Coursework: DSA, OOP, Operating Systems, DBMS, Web Development, Computer Networks, Machine Learning
Soft Skills: Communication, Teamwork, Leadership

Projects

iLearnYoga | *MongoDB, Express.js, Node.js, React.js*   **Oct. 2024**

- Developed a full-stack web application for over 500 yoga enthusiasts, enabling users to create accounts, book sessions, and track progress.
- Implemented user authentication via JSON Web Tokens (JWT) and crafted personalized dashboards, increasing user engagement by improving average session time by 15 minutes per user, within three months.

Study AI | *React.js, Tailwind CSS*   **Jan. 2025**

- Created a responsive, interactive web application using React and Tailwind CSS, featuring user authentication, AI-powered study material, quizzes, and a personalized dashboard to track progress.
- Crafted an AI-powered assistant UI to provide real-time study recommendations, topic searches, and an interactive chat experience, optimizing user engagement and learning outcomes.

ConnectHub Messenger | *HTML5, CSS3, Socket.io, JavaScript*   **Feb. 2025**

- Architected a real-time communication platform using WebSocket protocols, facilitating instant message delivery to 500 concurrent users with a median latency of 30ms, thereby enhancing user experience.
- Designed responsive frontend architecture with modern CSS3 animations and seamless cross-browser compatibility, delivering intuitive UX/UI that enhances communication workflow efficiency.
- Currently integrating WebRTC technology for multimedia communication capabilities including voice transmission and video conferencing features, expanding platform functionality for comprehensive collaboration.

Temple Traffic Management System | *MongoDB, Express.js, React.js, Node.js, REST API*   **Apr. 2025**

- Spearheaded a full-stack MERN application to optimize visitor flow and reduce congestion at high-traffic religious sites, featuring an advanced booking system and real-time traffic analytics dashboard.
- Implemented geolocation-based route optimization algorithms that analyze traffic patterns to suggest alternative pathways, reducing average wait times by 30% and improving overall visitor satisfaction.
- Built an interactive map interface with React.js that visualizes congestion metrics, highlights nearby attractions, and displays lodging options within a 5km radius, resulting in a 25% increase in user engagement.

Achievements

- **Secured 1st position** among **100+ participants** in C-Cipher competition organized by seniors.
- **LeetCode**: By solving over **350+ algorithmic challenges** on LeetCode, enhancing proficiency in data structures and establishing a robust foundation for complex problem resolution across diverse coding scenarios.

Certifications

- Data Science Professional   *Oracle* - Sep. 2025
- Google Arcade Facilitator Program - Silver League   *Google Cloud* - 2025
- Generative AI Professional   *Oracle* - Aug. 2025