NIKHIL RAI

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Professional Summary

B.Tech IT student at USICT, GGSIPU with hands-on experience in full-stack web development using React.js, Node.js, and Express.js. Strong foundation in DSA, Python, C, and Java. Passionate about problem-solving and practical implementation. Experienced in solo, collaborative, and hackathon-driven projects. Adept at turning real-world problems into scalable digital solutions.

Projects

BhramanAI – Smart Travel Planner (Full Stack Web App | *Under Development*) (Link)
- Building a full-stack travel planner using React.js, Express and Node.js with multi-modal segmented routing (metro, train, auto, walk).
- Integrated Mapbox APIs for geolocation, dynamic city pages (Delhi, Mumbai, Varanasi), and real-time journey results with transport filters.

Simon Game (Memory Game using jQuery) (Link)
- Developed a classic Simon memory game using jQuery for animation, sound, and interaction logic.
- Implemented responsive game interface with restart logic and user feedback.

Digital Drum Instruments (Web App using JavaScript) (Link)
- Built an interactive drum kit with JavaScript enabling mouse and keyboard sound triggers.
- Styled with responsive custom CSS for a smooth user experience.

BeatVibes (Bootstrap-based Demo UI) (Link)
- Designed a clean, responsive frontend using Bootstrap for a music and concert-based demo site.
- Showcased customer-facing sections like event listings, artist highlights, and booking interface.

Experience

Freelance Developer (2024 – Present)
- Developed a freelance services platform with authentication, user dashboards, and profile management.
- Used React.js for the frontend and Express.js with MongoDB for backend services.
- Delivered the project within deadlines and client expectations.

Hackathon Experience (Link)
- Participated in Vihaan Hackathon at DTU; built a working MVP for Bhraman.
- Finalized and submitted Bhraman for Vihaan Hackathon 2025, focusing on multimodal travel route planning and public transport accessibility.
- Among the top 10 teams out of 1500+ entries and the only team from our college shortlisted in both evaluation rounds.

Technical Skills

- Programming Languages: C, C++, Java, Python, jQuery, JavaScript
- Web Development: HTML, CSS, JavaScript, React.js, Node.js, Express.js
- Tools & Platforms: GitHub, Vercel, Render, Postman, VS Code, IntelliJ
- APIs & Libraries: Mapbox (Geocoding, Directions, Places), Bootstrap , TailwindCSS
- Databases: SQL , MongoDB , Mongoose
- Productivity & Design Tools: Microsoft PowerPoint, MS Word, Excel, Google Docs/Slides, Canva (presentations, posters, UI mockups)

Education

- **University School of Information, Communication & Technology (USICT)**   *(2023 - Present)*
  - B.Tech (IT) | CGPA : 8.14
- **Adarsh Public School , Vikas Puri**   *(2021 - 2022)*
  - 12th (CBSE) | 89.4% (PCMCs)
- **Adarsh Public School , Bali Nagar**   *(2019-2020)*
  - 10th (CBSE) | 90 %