Aman Raj

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Education

Kalinga Institute of Industrial Technology   **Bhubaneswar, India**
B.Tech in Computer Science and Engineering   *June 2021 – June 2025*

Deoghar College   **Deoghar, Jharkhand, India**
12th Class - Jharkhand Academic Council Board   *2021*

Dav Public School   **Deoghar, Jharkhand, India**
10th Class - Central Board of Secondary Education (CBSE)   *2019*

Skills

- **Programming Languages:** C/C++, JavaScript, Python, Java
- **Development:** HTML, CSS, Bootstrap, React, Node.js, Tailwind CSS, Express
- **Databases:** MongoDB, MySQL
- **Others:** Git, Linux, Firebase, Vercel

Experience

Web Development Intern   **RnPsoft PVT. LTD**
                    Jan 2024 - May 2024

- Led the development and implementation of "RnPsoft CodeHub," a collaborative platform enabling employees to manage and update code for various software projects, enhancing team collaboration and code quality.
- Integrated version control features to track code changes, allowing teams to maintain a history of project updates and revert changes as needed.
- Gained hands-on experience with modern web technologies, including React, MongoDB, Javascript and Node.js.

Projects

VidVerve *GitHub*
Personalized Video Feed Platform   *July 2024*

- Developed a personalized video feed platform, aggregating YouTube videos based on user preferences.
- Implemented a tag-based filtering system and personalized feed to enhance user engagement.
- Built using React, Node.js, MongoDB, Express, Tailwind CSS.

Path Finder *GitHub*
Graph Algorithm Visualization Tool   *October 2023*

- Developed a comprehensive visualization tool for pathfinding algorithms, offering interactive demonstrations of various algorithms.
- Implemented a suite of algorithms including Dijkstra's, A*, Greedy Best-first Search, Swarm, Convergent Swarm, Bidirectional Swarm, BFS, and DFS, showcasing their performance and use cases. Added a Recursive Division Maze Generation feature to enhance algorithm testing and visualization.
- Built using JavaScript, HTML, CSS, Express, Node.js, React.js.

Financial Tracker *GitHub*
Personal Finance Tracker   *January 2024*

- Developed a comprehensive Personal Finance Tracker for managing income, expenses, and financial goals.
- Built using React.js, Chart.js, Node.js, Express.js, MongoDB.

Certifications

Problem Solving (Intermediate) - Hackerrank
SQL (Intermediate) - Hackerrank
Generative AI: Introduction and Applications - Coursera
Prompt AI - Coursera