Amit Kumar Singh

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EDUCATION

- **Greater Noida Institute of Technology** — Greater Noida
  Bachelor of Technology in Information Technology; CGPA: 7.5/10.0 — *Aug. 2019 – June. 2023*

EXPERIENCE

- **ANIRVANA** — Hyderabad, Telangana, India
  Software Engineer Intern — *May 2023 - Present*
  - **Created a View Enquiry Page**: Developed and implemented a View Enquiry Page with a table that fetches details of a single enquiry from the backend API using axios, displays the data in the table, and incorporates navigation, routing, and UI enhancements for improved visual appeal and usability.
  - **Notification Feature Implementation**: Developed and implemented a notification feature utilizing a notification model, allowing users to receive and view notifications in a modal window.
  - **BroadSearch Page and Performance Optimization**: As part of the project, I developed a BroadSearch page that allowed administrators to search and filter enquiry data efficiently. By utilizing reducers for specific data slices, I optimized the performance of the search functionality, ensuring quick and accurate results.
  - **Multiple Enquiry Status Pages**: I contributed to the creation of seven different pages, each catering to a specific status of the enquiries.
  - **Data Export using Material Table**: To provide more flexibility, I integrated the Material Table component into the dashboard. This allowed administrators to export enquiry data in both PDF and CSV formats, facilitating easy data analysis and report generation.

PROJECTS

- **English Learning Application**: Developed an English learning web application using React, Node.js, and Express.js.Implemented CRUD (Create, Read, Update, Delete) operations for users to interact with the application.Utilized MongoDB as the database to store and retrieve user data.Integrated a dictionary feature for users to easily look up words and their meanings.Implemented user authentication for secure access to the application and personal user profiles.
- **Chat Application**: Developed a real-time node.js chat application with web sockets and IO library.Utilized Node.js, Express, Socket.io, and Bootstrap technologies to build the application.Built with responsive web design principles for optimal SEO and accessibility across desktop and mobile devices.Implemented real-time functionality for a seamless and interactive chat experience.Allowed users to join chat rooms with their name, send messages, and share locations in real-time.
- **DriveWatch**: Developed a Distracted Driver Detection system using Convolutional Neural Networks (CNN).Utilized Python and OpenCV for image processing and data preprocessing.Trained the model using a dataset of over 22,424 sample images of drivers in various states of distraction.Evaluated the model's performance using metrics such as accuracy, precision, and recall. Successfully reduced the rate of distracted driving accidents by over 50 percentage in test environments.

PROGRAMMING SKILLS

- **Languages**: Python, Javascript, C++, SQL, HTML, CSS   **Technologies**: React, Node, Express,MongoDB

PROFILE LINKS

- **GeeksforGeeks**: Link

- **GitHub**: Link

INTERESTS

Photography   **Playing Chess**