Prateek Sharma

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EXPERIENCE

Frontend Developer Intern   Apr 2024 — Present
BHARATTECH TECH ECO-SYSTEM PVT LTD   Remote, India

- Design and develop SaaS product, web applications, incorporating new features, and components into the UI using React, Redux, Next and Tailwind CSS.
- Collaborated and managed team of 4+ interns to ensure seamless integration of new features, responsiveness of website and enhancements.
- Utilized Git for version control, collaborating with team members on feature branches, and managing codebase integrity.
- Improved SEO by 90%, user interface load times and performance by 82%, and implemented best front-end practices including conditional rendering and reusable components.

Machine Learning Intern   Jun 2022 — Jul 2022
JAYPEE INSTITUTE OF INFORMATION TECHNOLGY   Noida, India

- Engineered and deployed a custom false news detection system with four distinct combination models on a Flask-based web page; optimized model performance resulted in a reduction in false news dissemination.
- Achieved an accuracy rate of up to 89.91% by developing and deploying complex predictive models, analyzing data trends, and creating visually compelling dashboards to drive strategic decision-making.

PROJECTS

Stock Dash Web App Link React.JS, Flask, Neural Network

- Developed a stock market dashboard displaying opening price graphs for various timeframes (e.g., 1 day, 1 month)., company information and expected stock price predictions.
- Integrated third-party APIs (FinHub API) to extract up to 3 years of data for the graph created by React for designing the frontend of the application and Tailwind CSS for styling the application.
- Built an LSTM model achieving 97% accuracy in predicting future stock price on the Flask API and enabled dark mode.

Photo Gallery Link React.JS, Django REST, MySQL, Redux

- Created a Full-stack responsive photo gallery with feature of uploading photo, category creation, descriptions (up to 500 words).
- Implemented theme customization and sorting of photos on two options (on the basis of name and time of creation).
- Strengthened the application with crud operations on photos (editing, updating, deleting) and added two more advanced features like category-based deletion and filtering.

Travel Companion Link React.JS, APIs

- Designed an engaging travel advisory map, using React hooks and Material UI, integrating Google Maps API and two Rapid API (travel advisor API and open weather API) for data.
- Improved user experience with advanced filtering based on ratings (1.0 to 5.0), facilitating easy identification of nearby local businesses, restaurants, shops, hotels, and whole day weather forecast based on the user's location.

EDUCATION

B. TECH in Electronics and communication, JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY   Jun 2019 – Jun 2023
- Courses: Data structure and algorithm, Database system and web   Noida, India

ADDITIONAL

- **Languages:** C++, Python, JavaScript, TypeScript, SQL, HTML, CSS
- **Technical Skills:** React.JS, Django, Next.JS, Git, Rest API, MongoDB, Node.JS, Express.JS
- **Course:** Object-oriented programming, Database management system, Data structure and algorithm
- **Soft Skills:** Analytical Skill, Collaboration, Effective Communication

AWARD AND ACHEIVEMENT

- AIR 724 ranking in the CodeStudio Weekly contest 116 competition CodeStudio

PUBLICATION

Driving into the Future: A Comparative Analysis of the Hough Transform and Convolutional Neural Network for Autonomous Vehicles, IEEE, Feb 2024