PRATEEK SHARMA

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WORK EXPERIENCE

BHARATTECH TECH ECO-SYSTEM PVT LTD | Frontend Developer Intern   **04-2024 - PRESENT**

- Design and develop SaaS product, web applications, adding new features, components and modernizing the UI using TypeScript, React, Redux, Next14 and Tailwind CSS.
- Coordinated with the team of 4+ interns to ensure the integration of new features, functionality, and responsiveness of website.
- Improved SEO up to 90%, user interface load times and performance by 50%, and implemented best front-end practices improving best practice score up to 76 percent.
- Integrated RESTful APIs in the application streamline data flow between the front-end and back-end services.
- Utilized Git for version control, merging branch, and managing codebase integrity.

JAYPEE INSITUTE OF INFORMATION TECHNOLOGY | Machine Learning Intern   **06-2022 – 07-2022**

- 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 dashboards.

PROJECTS

NEWS APP | Link | GitHub | MERN STACK, Socket.io, Passport.js, Google OAuth 2.0, Redux, Tailwind CSS, Google news Scraper, Cheerio

- Created a user-friendly, feature-rich news app that uses web scraping to showcase news and Google News Scraper to retrieve up to 2000+ items for over 15+ categories.
- Incorporate features like pagination, searching over 2000+ articles, user authentication through Google Auth 2.0, adding bookmarks, and dark theme mode.
- Integrated an auto-update of all news after every 12 hours and the latest news after 2 hours.

STOCK TRACKER APP | GitHub | React.JS, Flask, Neural Network, Fin hub API

- 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 (Fin Hub API) to extract 3-5 years of data for the React frontend, styled with Tailwind CSS.
- Built an LSTM model achieving 97% accuracy in predicting future stock price on the Flask API and enabled dark mode.

PHOTO GALLERY | GitHub | React.JS, MySQL, Django Rest, Material UI

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

EDUCATION

- **B. TECH in Electronics and communication,** JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA   06-2019 – 06-2023

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

ACHEIVMENT AND AWARDS

- Attained All India Rank 7048 in CodeKaze's Coding Round 2 competition, hosted on the Code Studio Platform, out of 42,000+ competitors.
- AIR 724 ranking in the Code Studio Weekly contest 116 competition Code Studio.

PUBLICATIONS

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