

# PRATEEK SHARMA

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## WORK EXPERIENCE

### BHARATTECH TECH ECO-SYSTEM PVT LTD | Frontend Lead

09-2024 - PRESENT

- Led team of interns in development of scalable web applications and dashboards, improved UI load time by 50%, used Git for version control, merged branches, and managed codebase integrity.
- Supervised front-end development using React, Next.js, TypeScript, and Redux, implementing best practices and increased Lighthouse performance scores by 25%.
- Collaborated with backend team to build and integrate RESTful APIs, ensuring seamless data flow between frontend and backend system.
- Designed 4 dashboards from scratch which showed improvement in responsiveness and 35% increase in SEO performance, leading to higher user engagement and satisfaction.

### BHARATTECH TECH ECO-SYSTEM PVT LTD | Frontend Developer

04-2024 – 09-2024

- Designed and developed SaaS product, web applications, dashboards, adding new features, components and modernizing the UI using TypeScript, React, Redux, Next14 and Tailwind CSS.
- 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.

### 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.
- Incorporated 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 SENTRY** | [GitHub](#) | MERN STACK, Cheerio, Redux, Tailwind CSS, Material UI, TypeScript, Neural Network, Flask

- Developed a stock market dashboard displaying historical opening price graphs over a vast time range of more than 10 years, giving stock details, and displaying top losers and gainers.
- Built an LSTM model achieving 94% accuracy in predicting future stock prices on the Flask API and enabled dark mode.
- Build user authentication and give features like creating a watchlist, searching stock, and predicting the next 10 days price.

**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

## PUBLICATIONS

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