

# VISHAL KUMAR

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## OBJECTIVE

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**Frontend Software Developer** with **3 years** of expertise in architecting and engineering high-performance web applications throughout my software development lifecycle using **Next.js**, **React.js** and **TypeScript**. Demonstrated success in leading complex feature development, optimizing application performance, implementing real-time data solutions, and mentoring junior developers. Passionate about creating intuitive, responsive user interfaces and solving complex UI/UX challenges to enhance user experience and business outcomes.

## PROFESSIONAL EXPERIENCE

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**Wisdom Tree Ventures | NEXT.JS SENIOR FRONTEND DEVELOPER** [Link](#) **2024 - PRESENT**

**Food Delivery Platform:** - Designed and built a Zomato-like food delivery web app using **Next.js**, **Tailwind CSS**, and **TypeScript** with a Python/Django backend, and deploying a **hybrid Flutter app** for **iOS/Android**.

- Engineered complex user flows including **real-time location tracking**, **location-based** restaurant discovery, cart/order management, **live tracking**, dine-in reservations, and review systems by integrating Django **REST APIs**
- Integrated **Google Maps API** with custom geocoding solution to enable precise restaurant discovery and delivery tracking.
- Developed **cross-platform** solution with server-side rendering (SSR) and client-side rendering (CSR) strategies to optimize performance while building a seamless **channel bridge** between Next.js frontend and Flutter mobile application using **android location**, **voice permission**, **camera permissions** and **file permissions** in app
- Integrated payment gateway solutions (**PhonePay**, **JustPay**) with secure transaction handling and failure recovery mechanisms.
- Created a hybrid app fully functional and can be managed by admin only.

**Wisdom Tree Ventures | NEXT.JS FRONTEND DEVELOPER** [Link](#) **2024 - Oct 2024**

**Trading Application:** - Spearheaded development of financial trading platform frontend with **Next.js** and **Tailwind CSS**, resulting in increase in user engagement by creating advanced UI components.

- Integrated multiple data visualization libraries (**TradingView**, **ChartJS**, **react-Echart**, **Apex Chart**) to display complex **financial data** with real-time updates.
- Established **WebSocket** connection architecture for real-time market data synchronization under 30ms latency.
- Implementing **TradingView** charts, integrating **APIs**, and creating responsive layouts for web and mobile
- Pioneered implementation of web-based **QR login** system similar to **WhatsApp Web**, improving login conversion.
- Implemented multi-level **authentication** (JWT, OAuth2) and payment gateway integration (JustPay) with responsive UI components ensuring cross-device compatibility.

**Wisdom Tree Ventures | Next.JS JAVASCRIPT DEVELOPER** [Link](#) **2022 - 2023**

**Live Option Trading & Algo Bot Platform:** - Contributed to a **Financial Technology Projects** implementing advance features like **Option Chain**, **Strategy Builder**, **Back Testing**, **Charts** using JavaScript and Django APIs.

- Integrated multiple broker APIs (**Zerodha**, **AngleOne**, **Upstox**) with unified interface, increasing platform adoption and real-time financial data visualization. Resolving data sync issues, improving system stability and data accuracy
- Designed **touch-friendly** mobile UI components utilizing **Hammer.js** for advanced **gesture recognition** and Table manipulates with API data with advance features like drag and drop functionality
- **Implemented** state management architecture using Redux and Context API for predictable data flow across component tree.
- Created a Algo Bot web app that manage and handle server running task on real time data

**Wisdom Tree Ventures | Next.JS DEVELOPER** [Link](#) **2022 - 2023**

**E-KYC Platform:** - Developed secure E-KYC verification system using **Next.js** and **Tailwind CSS**, integrating with **DigiLocker** and GST verification APIs.

- Implemented **Aadhaar OCR** capability using custom API integration, reducing manual data entry.
- Engineered sales **CRM** dashboard with integrated payment tracking and comprehensive analytics.
- Delivered uptime for critical verification services through robust error handling and fallback mechanisms

## PROJECTS

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### Brokerage and Margin Calculator [Link](#)

*Developed embeddable financial calculator widgets using JavaScript and Bootstrap with html, CSS.*

- Created dynamic **iFrame**-based solution allowing third-party integration while maintaining security and branding.
- Built comprehensive calculators for **commodities, equity, derivatives, and brokerage** estimation with 99.8% calculation accuracy
- Engineered **RESTful API** endpoints using Django for calculator data processing with optimized response times.
- Developed embeddable widgets for third-party broker websites using iFrames and dynamic API integration
- Created an interactive and user friendly interface where people can calculate their **charges applied** on their **Order execution**, and calculate the **expected margin** required to **trade** in **Stock Market**.

### Flask Blog Website [Link](#)

*Created a blog like web application using **python** and **flask** where you can create accounts, post updates, comment, like and see other people posts, comments*

- Implemented secure user authentication system with password hashing and session management.
- Created intuitive UI for content creation, commenting, and user interaction
- Efficiently create posts- allow people to **create, delete and publish** their own blog or see other blogs at one place.

### Real Time Chat Application [Link](#)

*Created a real time chat application using **Django** and **Socket IO** allowing multiple users to join and communicate live*

- Designed responsive UI adapting to various screen sizes with consistent user experience
- Implemented rooms/channels functionality with user presence indicators and typing notifications

## SKILLS

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**Technologies:** Next.js, React.js, TypeScript, JavaScript, Tailwind CSS, Bootstrap, HTML5, CSS, jQuery, Redux, Context API, WebSocket, REST APIs.

**Libraries & Tools:** Chart.js, TradingView API, D3.js, ECharts, React Testing Library, Git, GitHub, Webpack, Postman, Chrome DevTools, Figma

**Concepts & Methodologies:** Performance Optimization, Responsive Design, Progressive Web Apps, Server-Side Rendering, Component Architecture.

## EDUCATION

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<b>Ajay Kumar Garg Engineering College (AKGEC), AKTU University, India</b>	<b>2017 - 2021</b>
• Bachelor of Technology (B.Tech) in Electronics and Communication Engineering	
<b>MILTON PUBLIC SCHOOL, India</b>	<b>2015 - 2017</b>
• CBSE (Class XI, Class XII Senior Secondary)   AGRA   U.P	
<b>GAYATRI PUBLIC SCHOOL, India</b>	<b>2014 - 2015</b>
• CBSE (Class X High School)   AGRA   U.P	