

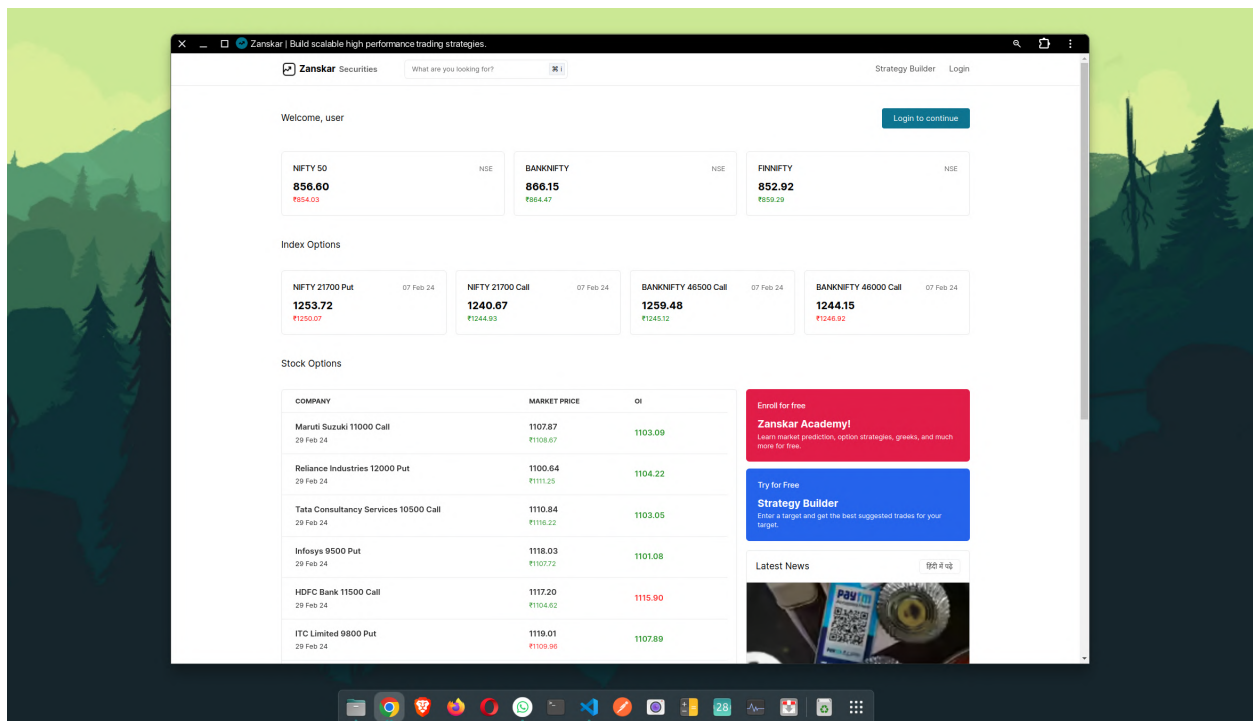
Zanskar - Web assignment

Live on URL: <https://zanskar.vercel.app>

Github Repo URL: <https://github.com/paanSinghCoder/options-analytics>

Date: 2nd Feb, 24 - 3rd Feb, 24 (2.5 days)

Desktop webapp and PWA demonstrating Minimal UI and various web development features and techniques. Demonstrates dummy Option trading and strategy builder.



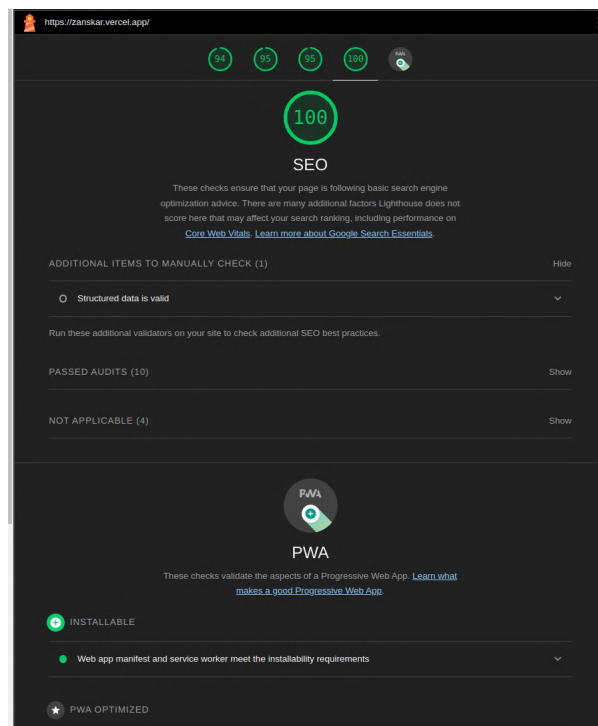
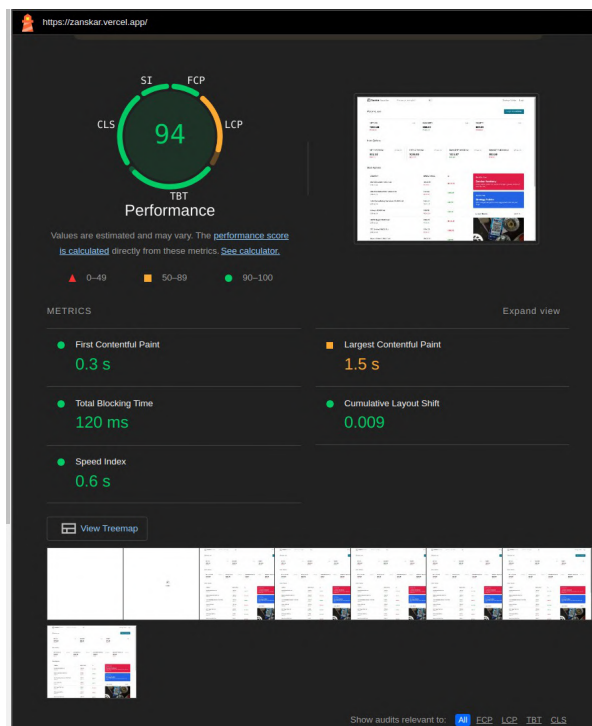
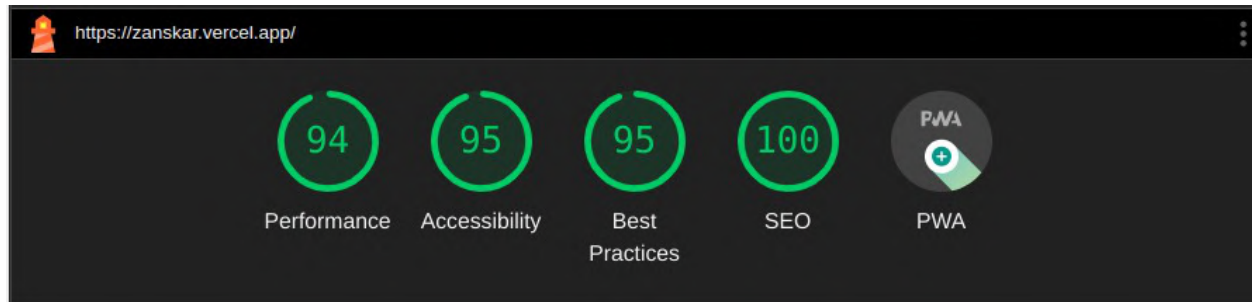
Tech stack:

- **Next JS 14:** One of the most popular web frameworks. React based library primarily focused on server side rendering.
- **Typescript:** Typed super set of Javascript.
- **Tailwind CSS:** A CSS library for fast, lightweight and production grade styling.
- **Chart JS:** Charting library for charts.
- **Vercel:** Continuous deployment.

Features:

- Server side rendered: Many routes are rendered on server.
- Line and Bar chart used to denote various data sets (randomised and dummy data).
- Minimal UI with pixel perfect spacing and alignment.
- Authentication - Frontend authentication demonstrating active session, login and logout.
- Excellent performance.
- Properly commented code .
- Used ESLint for code quality.
- Used Prettier for code beautification and readability.
- PWA (Progressive web App): Installable on Desktop (Check screenshots).
- Perfect Chrome Lighthouse scores (Check screenshots).
- Custom function to demonstrate market price movement.
- Use of tables to populate data.
- Really cool search popup with hot topics suggestion.
- Added some extra components to make the app look visually appealing.
- Deployed on Vercel with its continuous deployment feature.

- Toasts where required
- Next 14 latest App router based routing
- Custom React hooks for authentication and stock market price simulation.



https://zanskar.vercel.app/

94 95 95 100 PWA

95

Best Practices

GENERAL

▲ Registers an `unload` listener

The `unload` event does not fire reliably and listening for it can prevent browser optimizations like the Back-Forward Cache. Use `pagehide` or `visibilitychange` events instead. [Learn more about unload event listeners](#)

Source

```
limit-time.js:102
```

▲ Missing source maps for large first-party JavaScript

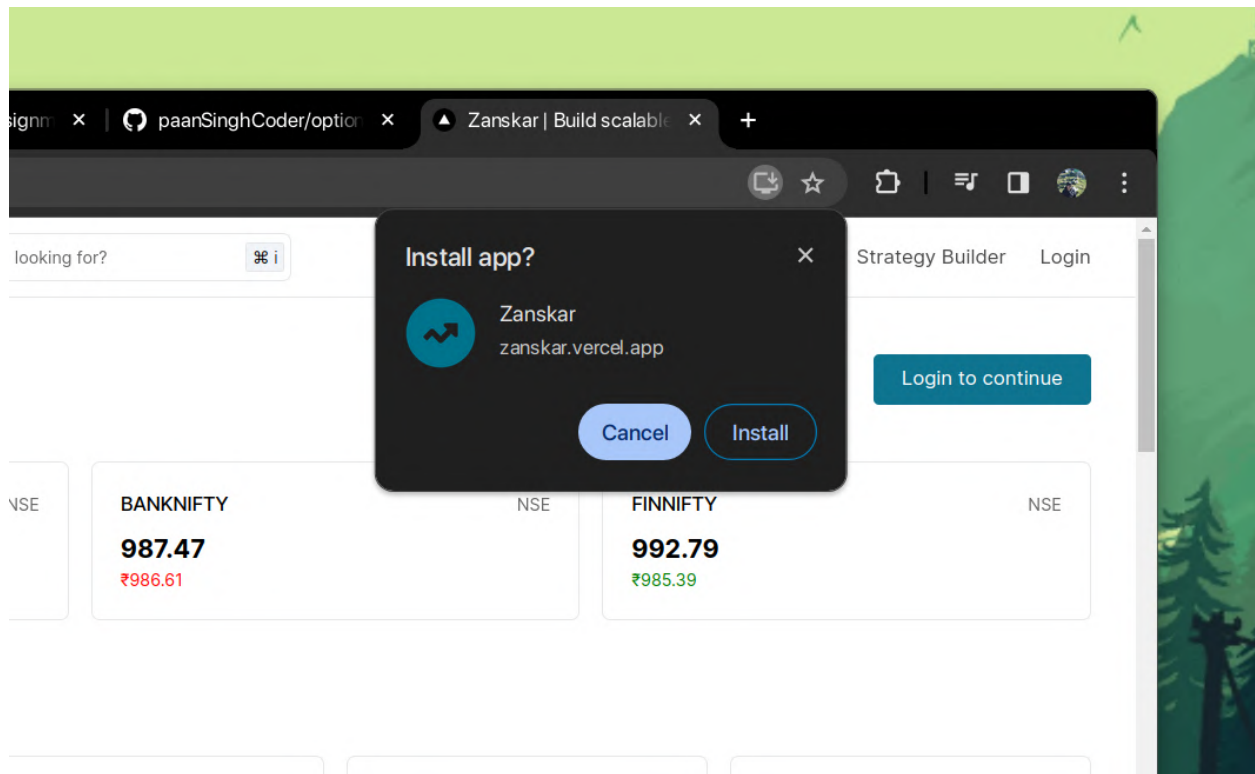
TRUST AND SAFETY

○ Ensure CSP is effective against XSS attacks

PASSED AUDITS (11) Hide

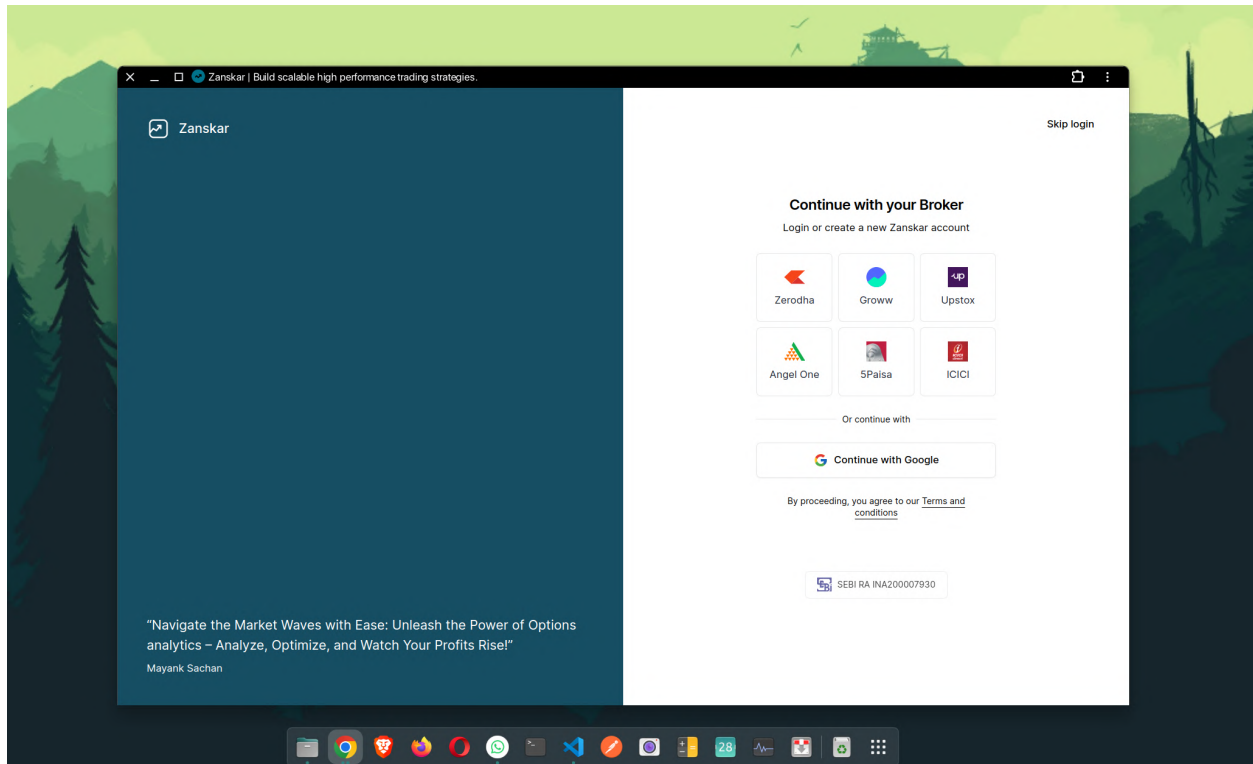
- Uses HTTPS
- Avoids deprecated APIs
- Allows users to paste into input fields
- Avoids requesting the geolocation permission on page load
- Avoids requesting the notification permission on page load

Install on desktop

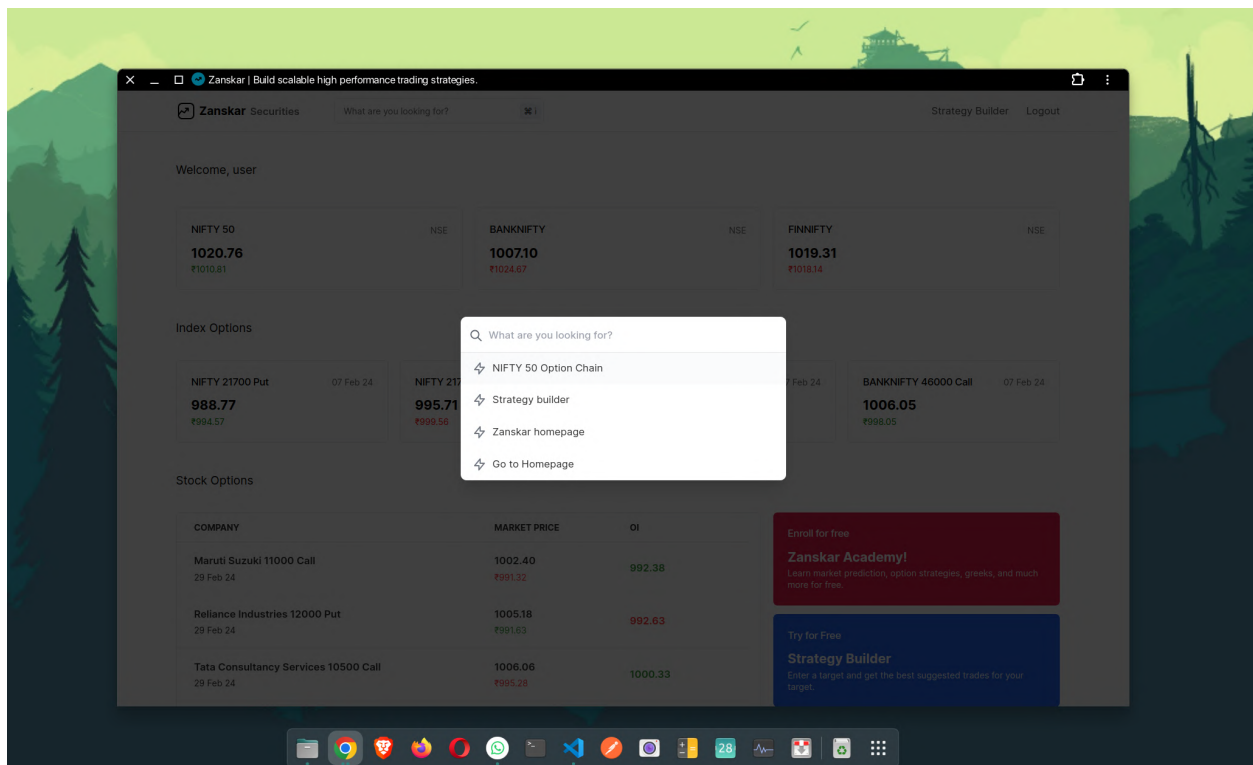
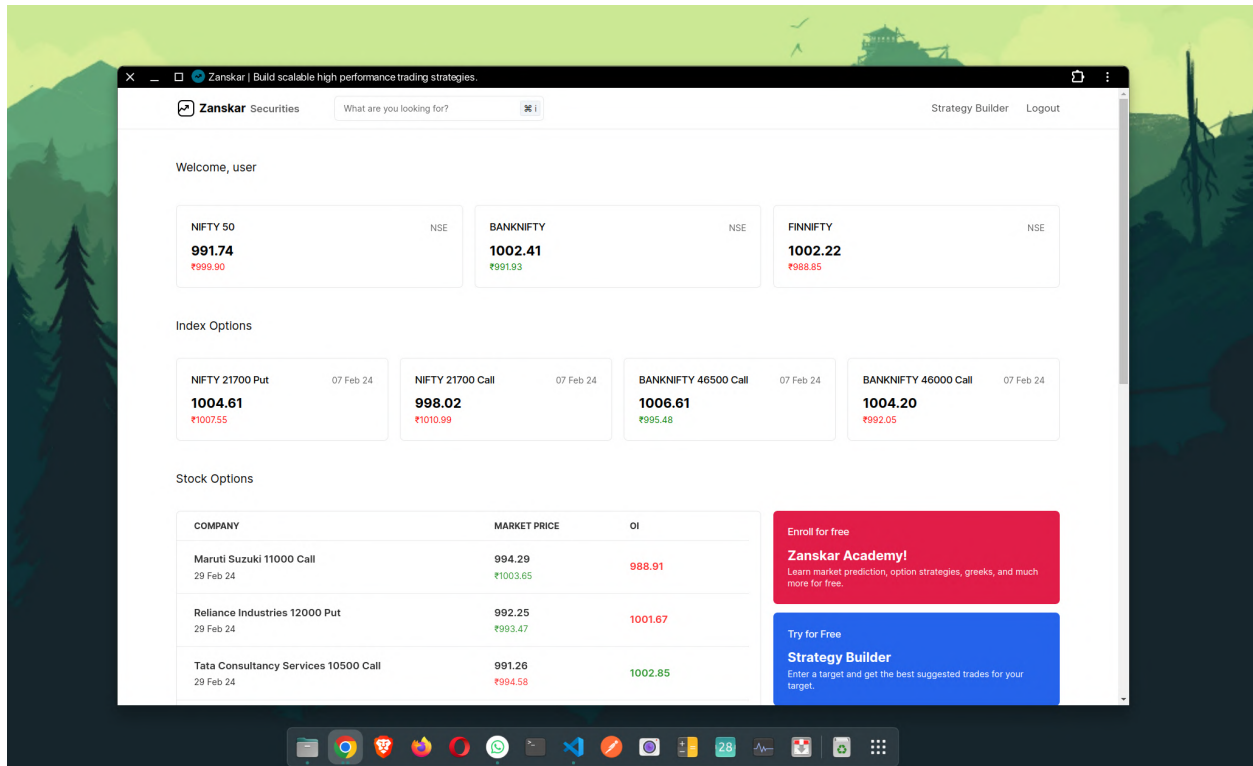


Routes and screenshots:

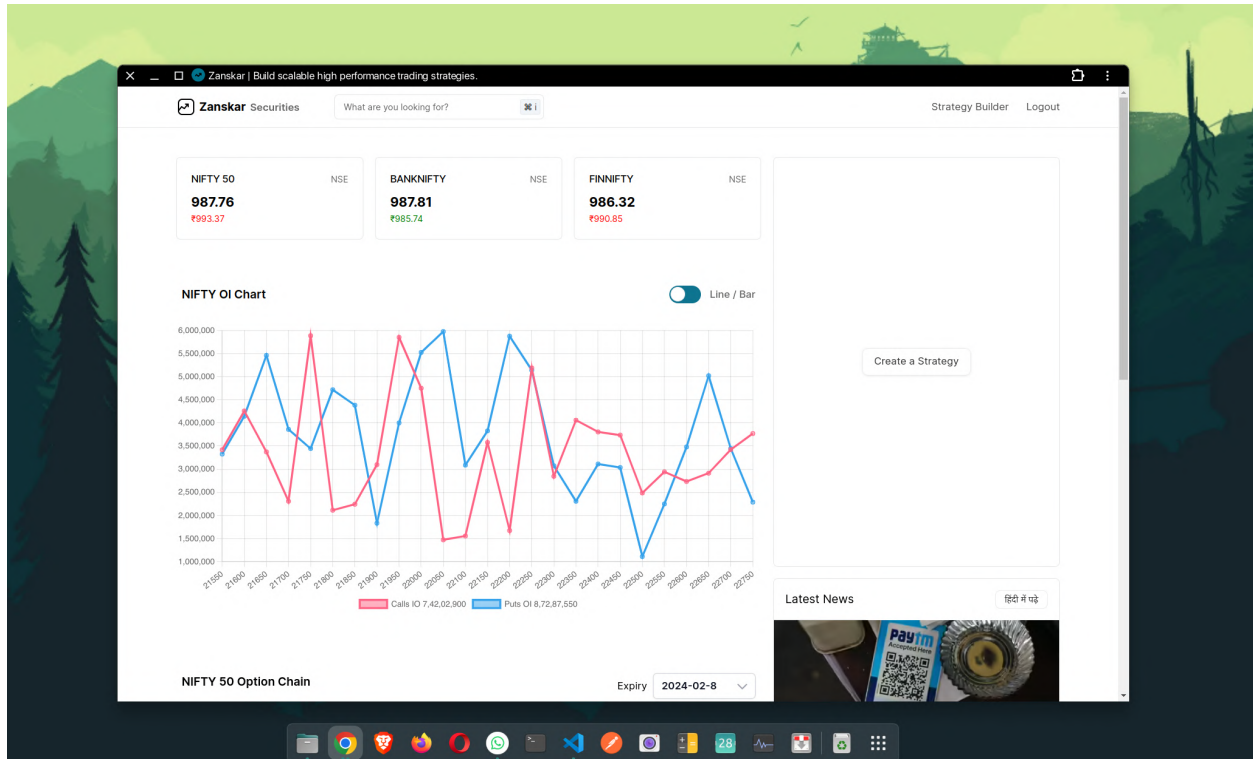
- Login page: `/login`



- Home page: /



- Option chain page: `/chain`



Zanskar | Build scalable high performance trading strategies.

NIFTY 50 Option Chain

Expiry
2024-02-8

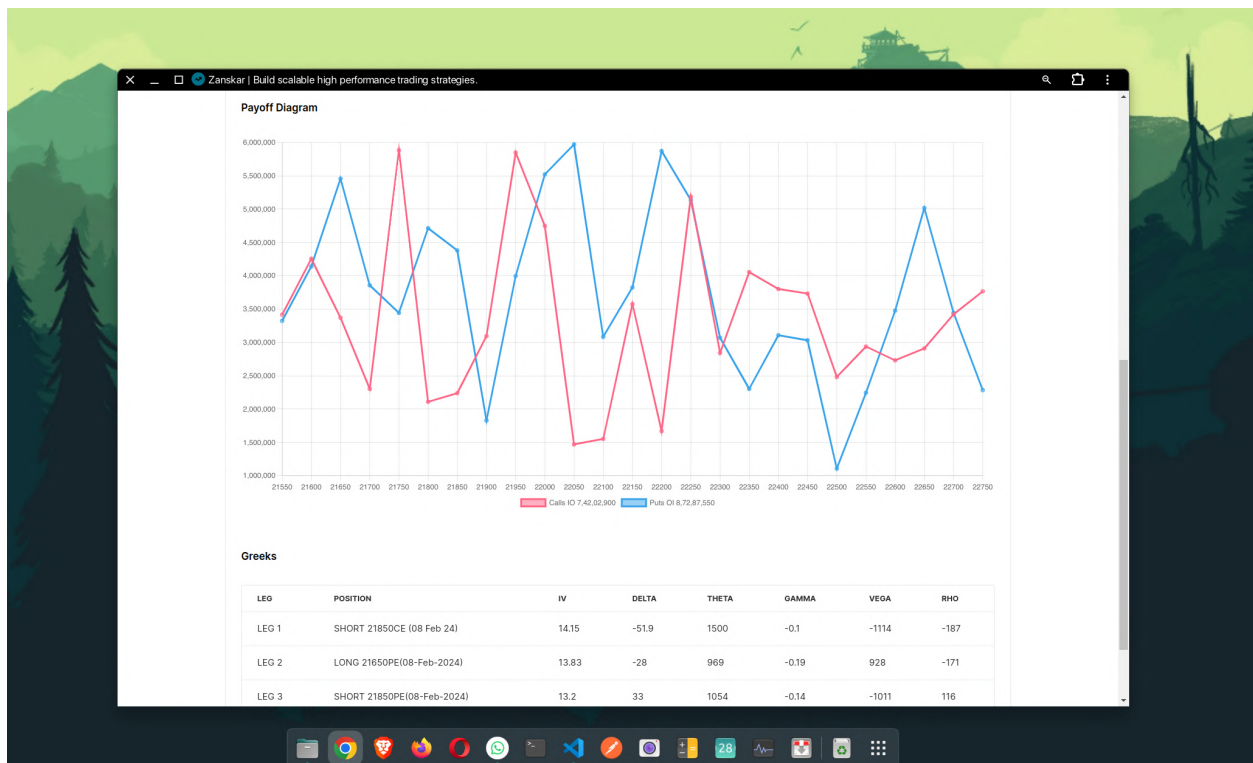
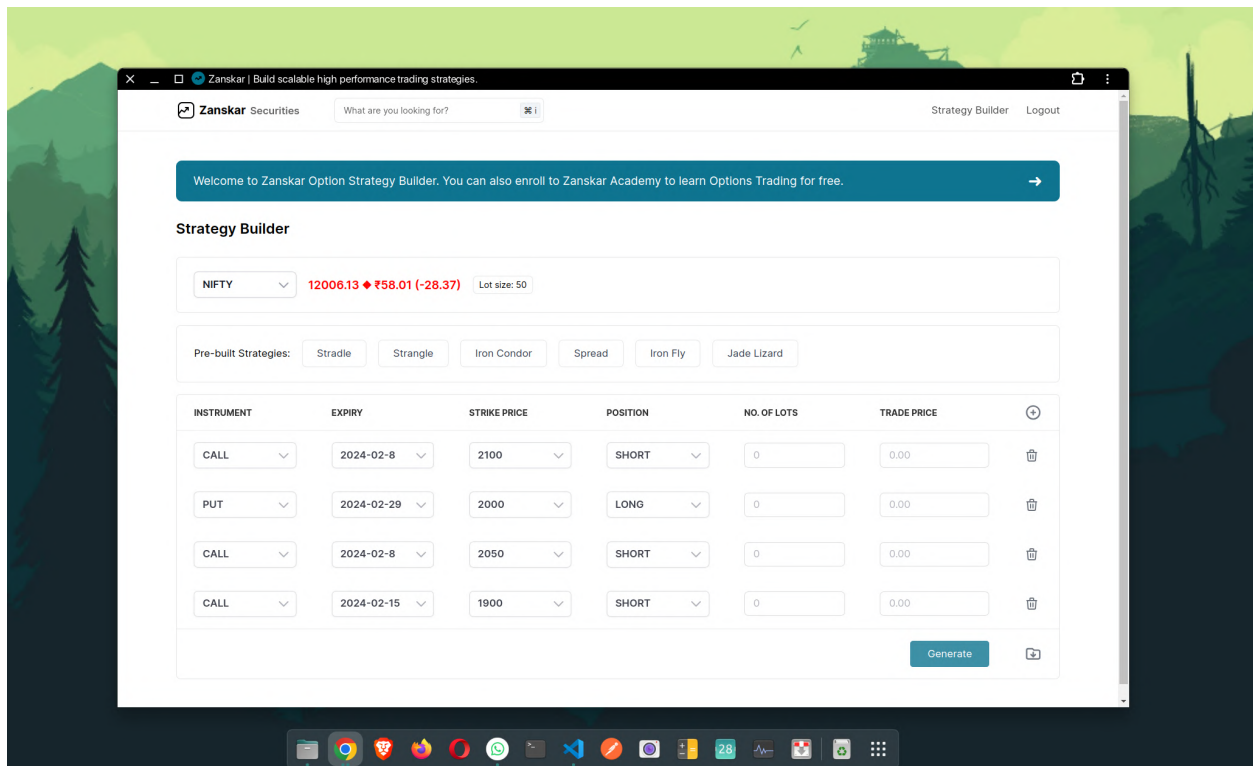
OI (LOTS)	CALL PRICE	STRIKE PRICE	PUT PRICE	OI(LOTS)
9229.32 1051.90	₹1352.47 1134.11	22612.33	₹1071.99 1078.59	94541.00 1131.03
8537.22 1008.41	₹1325.37 1093.25	22709.11	₹1079.90 976.16	88948.47 1106.95
10442.26 1047.51	₹1386.97 948.23	22825.04	₹1064.46 1055.95	81149.64 1010.92
7662.09 1057.21	₹1318.79 1073.56	24113.67	₹1065.96 982.10	109778.77 1097.97
9818.28 1031.58	₹1337.59 978.38	22921.14	₹1073.97 1034.46	93016.83 1013.89
10363.49 1042.49	₹1374.83 1034.37	23015.95	₹1070.75 1000.43	88020.29 1034.84
8723.18 997.87	₹1328.98 1053.69	23507.36	₹1061.59 1067.21	96013.62 996.75
10221.24 999.73	₹1339.45 1040.73	23624.02	₹1081.20 1008.89	101136.59 1041.93
9123.68 1042.99	₹1352.50 1001.52	23716.63	₹1070.31 1064.47	99016.09 1036.33
8016.25 1001.51	₹1328.63 1047.75	23815.15	₹1073.59 998.39	94017.87 1027.17

Paytm Erases \$2 Billion in Two Days as RBI Action Spooks Market

02 Feb 2024, 10:30AM

Regulatory troubles for the digital payments giant are mounting after the Reserve Bank of India ordered its unit Paytm Payments Bank Ltd.

- **Strategy Builder:** `/option-strategy`



What would I do if I had another 7 days on this assignment?

- Written more types and interfaces for components and functions.
- A better folder structure which can accommodate Redux and folder specific requirements.
- Use Next's `<Image />` component instead of `img` which is much better in performance.
- Optimise the webapp for mobile (Wanted to do this but didn't because of time limitation)
- Setup pre-commit hook (husky) for better commit messages.
- Separate out library components, dumb components and app logic better. Currently its separated but can be done better.
- Add a custom URL for the application
- Add dark theme