

Trina Sikdar

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Work Experience

Wipro

July 2021 – Present

Frontend Developer (Scholar Trainee)

Bengaluru, Karnataka

- **Led** the development of a highly responsive Smart City IoT application that gathered and displayed data from thousands of devices, **improving** user experience for over **5,000 active users**.
- Developed **reusable UI components** in Angular, **reducing** development time by 30% through **modular design** and efficient service injections.
- Implemented advanced data visualizations using Leaflet.js and ApexCharts, enhancing client insight into large datasets.
- Integrated **REST API services** with Angular using **RxJS** for **asynchronous** data handling; ensured **real-time data** accuracy and high performance via Postman testing.
- **Optimized** application load time by 25% by refactoring components and eliminating redundant code.
- Took **ownership** of UI development during UI Lead's absence, guiding the team to meet key project Milestones.
- Handled Python-based microservices for IoT data processing, streamlining data flow from platform to database.
- Worked closely with the ML team, annotating datasets using DS tools to support model training. Modified stored procedures and database tables, improving API integration and system efficiency in partnership with DB teams.
- Built multiple successful proof-of-concepts (POCs) and delivered a single-page React application for a competitive bid under tight deadlines.

Skills

Language and Technologies: HTML, CSS, SCSS, TailwindCss, **JavaScript, TypeScript, Angular, React**

Libraries and Build Tools: ApexCharts, Leaflet, Angular Material, **RxJs**, Bootstrap, Angular CLI, **Zustand**

Version Control: **Git**, GitHub

Testing Frameworks: Jasmine, Karma

Additional Familiar Skills: Postgres, AWS, Python

Projects

MiniSpotify | **TypeScript, React, TailwindCSS, Zustand** [Link](#)

- Built a responsive music interface using React, TailwindCSS, and React Router.
- Implemented secure authentication via OAuth 2.0 with PKCE, integrating seamlessly with Spotify's Web API to fetch playlists, tracks, and user data.
- Architected state management using Zustand to handle global data flow and UI state efficiently.
- Designed reusable UI components to ensure consistent styling and modular code structure.
- Deployed the application publicly via Netlify, making it accessible for real-world interaction.

Weather App | **JavaScript, React, OpenWeatherMap API's, Html, CSS, GitHub Pages** [Link](#)

- Led the development of innovative weather application the integrates data from OpenWeatherMap API's and leverages the real-time weather updates and 5-day forecasts for global cities.
- Implemented theme switching between light and dark modes based on time of daos the searched city.
- Integrated OpenWeatherMap APIs to access real time and forecasted weather data.
- Developed city-based weather lookup and robust error handling for possible API issues.
- Ensured a seamless cross-device experience with support for both 12hrs and 24hrs time formats.

Education

Swami Vivekananda Institute of Modern Studies

Jun 2018 – July 2021

Bachelor of Computer Applications, 8.87

Barrackpore, Kolkata, WB

Certifications

- Azure Data Fundamentals (DP-900)
- GitHub Fundamentals
- Oracle Cloud Infrastructure 2023 AI Certified Foundations Associate

Awards

- Victory League Award at Wipro