

SUMMARY

- **Front-end developer** with experience in building & deploying web apps using **JavaScript based tech stacks**
- Strong data structures & algorithms fundamentals with **1000+ problems** solved on **Leetcode & InterviewBit Scaler**
- **Skills:** JavaScript (ES6+) | HTML 5 | ReactJS | Node.js | TypeScript | CSS 3 | Tailwind | Material UI | RESTful APIs | GraphQL | Webpack | Babel | Vite | Git | Github | Docker | Figma | Java | Postgres

WORK EXPERIENCE

Front-end Engineer, Aganitha.ai | Hyderabad, India

Oct'23-Present

Overview:

- Led **web development** projects end-to-end (**from ideation to design to implementation**) for **large enterprise clients** across BioTech, Pharma & Consumer Goods, verticals (*details of major projects in subsequent bullet points*)
- Focused on building **client-facing front-end applications** for **R&D scientists** of enterprise clients, involving **processing several GBs of data**, and optimizing **speed and loading time** to enhance performance and user experience

DISTILL: AI-Powered Research Assistant for Single-Cell RNA Sequencing

- **Overview:** Created responsive **React** front-end app for analyzing and interpreting complex single-cell RNA sequencing data
- **Figma design:** Designed user interface for app from scratch on Figma, ensuring adherence to **UI/UX design principles**
- **React Libraries:** Leveraged various React Libraries, including **Chakra UI, React Flow, Framer Motion, AG Grid, and React Select** to deliver an accessible and dynamic user interface for the React app, with smooth visuals
- **Visualizations:** Utilized **D3.js** to create interactive data visualizations (e.g. **UMAPs, box plots**, differential gene expression plots), and developed custom features such as **box and lasso selection** from scratch to aid data manipulation
- **Mapping Dashboard:** Leveraged **React DnD** to construct a **versatile mapping dashboard** that enables users to overlay aspects of different studies and group those into metastudies for comprehensive comparative analysis
- **RESTful API Integration:** Integrated **FastAPI** to develop a **full CRUD** (Create, Read, Update, Delete) application
- **Docker & Nginx:** Created Dockerfiles and configured Nginx for deployment on internal servers, ensuring efficient delivery
- **Impact:** Tool purchased by **multiple leading global pharma clients**, with several further leads in pipeline

Odor Informatics: Chemical Compound Research Tool for \$6Bn+ annual revenue FMCG client

- Built **online collaboration app** to streamline chemical compound research, which provided relevant extracted info from **12,000+ scientific papers**, and enabled **in-app reading, categorization, & note-taking**
- Implemented various features including signup/ sign-in, PDF reader, CSV Download, note-taking, filtering and sorting
- **Impact:** Tool is used extensively by client's R&D team, to streamline identification of focus compounds for further research
- **Tech Stack:** React (including **AG Grid Library**), **RestAPIs, Docker**

PROJECTS

NimbleEdge website (*freelance web development for seed-funded AI startup*) | Hosted Project | 

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 Github

Oct'24

- **Overview:** Developed interactive, responsive website for NimbleEdge using **React, Tailwind CSS and Framer Motion**; built modular and reusable components including **carousels, interactive flow diagrams and feature cards**
- **Email integration:** Leveraged **EmailJS** service to create a **contact form**, with responses sent to designated e-mail address
- **Deployment and Hosting:** Deployed the website prototype on **Vercel**, ensuring rapid loading times and reliable hosting

Biopharma Research Trends Analyzer Web Application | Hosted Project | 

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 Github

Oct'23

- Developed web app to **analyze and visualize trends in biopharma research** based on a rich, mock dataset
- Implemented data tables with advanced **filtering & sorting**, and **interactive pie, line and bar charts** for visualization
- **Tech Stack:** HTML, CSS, VanillaJS, Chart.JS

EDUCATION

Year	Qualification	Institute	CPI/%
2016 - 2020	B.Tech, Civil Engineering	JSS Academy of Technical Educcation, Noida	<b>72%</b>

LEADERSHIP

- Served as **President, Association of Civil Engineers** at JSSATEN, and collaborated closely with college admin to organize various events and workshops for 100+ civil engineering students, including orientation program, CAD workshop etc.