

Sambit Sankalp

Full Stack Software Engineer



sambitsankalp



sambit-sankalp



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EXPERIENCE

MICROSOFT | SOFTWARE ENGINEERING INTERN

May 2023 – Jun 2023 | Bengaluru, India

- Developed a **robust, informative, and interactive** graph visualization library for analysts to analyze numeric CSV data using **WebGL and d3-force**.
- Optimized **force and data computation algorithms**, fine-tuning force strength and implementing web workers, increasing rendering performance of graph by 33%.
- Improved scalability by **minimizing drawcalls** in the browser and transitioning to canvas from SVG, resulting in a **4x** enhancement.

SKILZEN | FRONT-END DEVELOPER INTERN

Feb 2023 – Apr 2023 | Remote, India

- Teamed up with five frontend interns and the team lead to **bolster the product**, preparing it for launch.
- Integrated graphql queries** into the frontend through Directus and graphql, infusing dynamism into the website.
- Revamped the frontend screens by refining the CSS and **enhancing website responsiveness while reducing code redundancy**.

INFYBYTES AI LABS | FULL STACK DEVELOPER INTERN

Feb 2023 – Mar 2023 | Remote, India

- Partnered with eight software engineers and product managers to enhance the product's capabilities through **Next.js, Node.js, and GraphQL**.
- Optimized the API by **incorporating pagination and implementing caching via Hasura webhooks**, leading to around 80% performance improvement.
- Created components for **monitoring migration progress**, enabling lengthy migrations to execute in the background.

PROJECTS

BLOCKDUCTS | REACT, REDUX, TAILWINDCSS

- Establishing an e-commerce platform in Web3** with on-chain fungible tokens, rewards, transparency, and staking to enhance customer engagement and retention.
- Built the website's user interface (UI) with ReactJS and TailwindCSS, integrating solidity contracts using **context API**.
- Seamlessly **integrated the backend** to the project and implemented shopping cart features using **Redux Toolkit**.

NFT DOCKET | REACT, TAILWINDCSS

- Created a **Decentralized Warranty Issue platform** that empowers sellers to **deliver warranties** to buyers via an NFT built using Polygon.
- Constructed the website's front-end using **React and TailwindCSS**, while also designing screens for features like **issuing warranties and verifying ownership** integrated within the Web3 environment.

ACHIEVEMENTS

Mar 2023	Best Use of Filecoin Prize	ETHforAll
Feb 2022	Best Explainable Machine Learning Prize	StormHacks
Nov 2021	Best Women Empowerment Track Prize	Girls Hoo Hacks

SKILLS

LANGUAGES

C++, Javascript, Typescript, HTML

LIBRARIES/Frameworks

React, Redux, Mongoose, Nodejs, GraphQL, Gatsby, NextJs, Express, Riverpod, Firebase

DATABASE

MySQL, MongoDB

TOOLS/PLATFORMS

Git, Github, Vercel, Figma, Hasura

SOFT SKILLS

Leadership, Team Work, Collaboration

EDUCATION

NIT ROURKELA

B. TECH IN COMPUTER SCIENCE

Nov 2020 - Present | Odisha, India

CGPA: 8.67 / 10.0

VIKASH RESIDENTIAL SCHOOL

HIGHER SECONDARY

May 2020 | Odisha, India

Percentage: 96.6%

DAV PUBLIC SCHOOL

SECONDARY

May 2018 | Odisha, India

Percentage: 92.4%

PORS

GDSC | NIT ROURKELA

Streamlined community workflow through the coordination of events, hackathons, and workshops such as **Google Crowdscore**. Delivered sessions to over **100 students** on the latest technologies.

MONDAY MORNING

Supervised technical aspects of the platform, encompassing website development, software maintenance, team management, and guaranteed the seamless operation of technical systems by **mentoring over 50 students**.

TEDX | NIT ROURKELA

Developed the community website from scratch using cutting-edge technologies like Gatsby and successfully concluded various TED events.