

# Sandeep Kumar SWAIN

## B.Tech 4th Year | Developer | Student

@ contact@sandeepswain.dev    +91 96680 26535  
github.com/54nd339    linkedin.com/in/54nd339  
i Born on 18 September, 2002    sandeepswain.dev  
📍 4A-143, KP14, KIIT, Patia, Bhubaneswar, Odisha - 751 024, India



Results-driven Computer Science and Engineering student seeking opportunities to leverage self-taught full-stack development skills and a passion for creating things that live on the internet, be it websites, applications, or anything in between.

## SKILLS

Languages	C, C++, Java, Python, HTML/CSS, JavaScript
Web Dev	Next.js(React), Vue.js, Tailwind CSS, Bootstrap, Node, Express
Databases	Firestore, MongoDB, HyGraph CMS, SQLite
Data Science	Tensorflow, Keras, Numpy, Pandas, Matplotlib
DevTools	Git, GitHub, VSCode, Netlify, DigitalOcean, Vercel
Other Skills	Flutter, Cryptography, GCP, Linux, Ethical Hacking
Can Speak	English, Hindi, Odia
Extras	App Dev Lead of KIIT Konnexions, the IT society

## WORK EXPERIENCE AND PROJECTS

October 2022 May 2023	<b>Nearest neighbor Realization of QUANTUM CIRCUITS</b> <ul style="list-style-type: none"><li>Developed a heuristic approach to represent quantum circuits with NN constraints efficiently within a 2D space.</li><li>Rigorously tested on diverse benchmarks, which has resulted in reductions of 39% and 24% in SWAP count and quantum cost, respectively, surpassing existing 2D designs.</li></ul> <div>Quantum Circuit   Swap Gates   Nearest Neighbor   Genetic Algorithm</div>
January 2023	<b>AlgoVisualiser</b> <a href="https://github.com/54nd339/ALGOVISUALISER">ALGOS.SANDEEPSWAIN.DEV</a> <ul style="list-style-type: none"><li>Developed AlgoVisualiser, a responsive web app that visually demonstrates various algorithms.</li><li>Incorporated sorting, searching, and path-finding algorithms.</li><li>Achieved state management using Redux.</li></ul> <div>Next.js   Tailwind   Algorithms   Redux</div>
November 2022	<b>Official Website of Talent Sprint Classes</b> <a href="https://github.com/54nd339/TALENTSPRINTBAM">TALENTSPRINTBAM.COM</a> <ul style="list-style-type: none"><li>Designed a captivating landing page to attract new users and provide insights into the institution.</li><li>Created a fully functional admin panel for seamless website content management.</li><li>Provided services for enrolled students and faculty.</li></ul> <div>Vue.js   Bootstrap   FireStore   Firebase</div>
September 2022	<b>Radon</b> <a href="https://github.com/54nd339/RADON">RADON.SANDEEPSWAIN.DEV</a> <ul style="list-style-type: none"><li>Developed Radon, a demo website for The Grooming Self, a local clothing startup.</li><li>Enabled user account creation, product selection, and online shopping cart functionality.</li><li>Implemented a secure payment gateway using Stripe.</li></ul> <div>Next.js   TailwindCSS   MongoDB   Stripe</div>
July 2022	<b>SocialFair</b> <a href="https://github.com/54nd339/SOCIALFAIR">SOCIAL.SANDEEPSWAIN.DEV</a> <ul style="list-style-type: none"><li>Created SocialFair, a responsive Social Media Web-app promoting seamless peer interaction.</li><li>Enabled user account and post creation, liking, commenting, following, and chat functionalities.</li><li>Developed a custom Express Server utilizing Web-Sockets (Socket.io) for real-time chats.</li></ul> <div>Next.js   TailWindCSS   MongoDB   Express   Socket.io</div>

## EDUCATION

2020-Now	B. Tech in CSE, 4th Year at KIIT DU. CGPA as in 6th Semester - <b>9.21</b>
2020	FIITJEE Junior College, Vijayawada. Class 12th Percentage - <b>95.5</b>
2018	De Paul School, Berhampur (ICSE). Class 10th Percentage - <b>92.4</b>

## + FOOTNOTE

Actively seeking new opportunities to expand knowledge base and gain valuable work experience. Committed to delivering full commitment and dedication to assigned tasks within your organization.